

# **Monthly Progress Report #1 July 2004**

**Falcon Refinery Superfund Site  
Ingleside  
San Patricio County, Texas  
TXD 086 278 058**

**Prepared for**

**National Oil Recovery Corporation  
3717 Bowne Street  
Flushing, NY 11354**

**August 4, 2004**

**Prepared by**

**BNC Engineering, LLC.  
607 River Bend Drive  
Georgetown, Texas 78628**

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None this reporting period

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None this reporting period

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None this reporting period

## **1.0 INTRODUCTION**

This initial Monthly Progress Report is submitted in accordance with the Falcon Refinery Site Administrative Orders on Consent for Removal Action and Remedial Investigation / Feasibility Study between the U.S. Environmental Protection Agency (U.S. EPA) and National Oil Recovery Corporation (NORCO).

This Monthly Progress Report and subsequent reports will address activities associated with both of the orders.

The next monthly progress report covering August, 2004 will be submitted on or before September 10, 2004.

## **2.0 COMPLETED ACTIVITIES**

### **2.1 Removal Action Activities**

During the scoping meeting for the RI/FS, which was held on July 7, 2004, NORCO provided Gary Moore the EPA On-Scene Coordinator (OSC) three copies of the Removal Action Work Plan which included the Safety and Health Plan (SHP), Quality Assurance/Quality Control Project Plan (QA/QCPP), Field Sampling Plan (FSP), an Organization Chart and the Project Schedule. Comments to the plans were provided from the OSC to Stephen Halasz the NORCO Project Coordinator (PC) on July 9, 2004 and the revised plans were sent to the OSC on July 20, 2004.

Approval to begin Removal Action activities was provided to the PC on August 2, 2004.

To secure the site the perimeter fences and gates were repaired. Contacts were made with the local utilities to obtain a water connection and electrical service. A project trailer has been ordered and supplies have been ordered.

Subcontractors that will be bidding to perform demolition have been to the site. When a subcontractor is selected the EPA will be notified and the site safety plan may be augmented.

### **2.2 Remedial Investigation / Feasibility Study (RI/FS)**

NORCO initiated the RI/FS process by planning and holding the Scoping Meeting at the Texas Commission on Environmental (TCEQ) office in Corpus Christi, Texas on July 7, 2004. Attendees included Rafael Casanova the EPA Remedial Project Manager (RPM), the site OSC, EPA legal and enforcement staff, State and Federal Natural Resource Trustees (NRT), BNC Engineering personnel and a representative of NORCO.

During the meeting the RPM, NRTs and the PC presented PowerPoint presentations that provided site specific information concerning the ownership of the refinery, operational history of the facility, regulatory inspections, spill history, human health and ecological risk assessments, the adjoining community, the adjacent wetlands, bays and the Gulf of Mexico. Spills and releases at nearby facilities were also discussed.

BNC went to the TCEQ Headquarters in Austin and copied the entire project file for the Falcon Refinery and also the regulatory files of the nearby facilities. The TCEQ Voluntary Cleanup Project Manager for the Plains Marketing site (neighboring crude storage site) was also interviewed about spills and releases that likely have impacted the NORCO property.

The EPA provided a CD at the scoping meeting that contained copies of the documents that were used in the development the Hazard Ranking System (HRS) Documentation Record.

After the scoping meeting the attendees left the TCEQ office and went to the Falcon Refinery for a site tour of the refinery, adjacent wetlands and bay.

NORCO provided the necessary financial assurance and payments to the EPA and BNC provided proof of insurance, in accordance with the AOCs.

On July 26, 2004 NORCO submitted the organizational structure, resumes that included the names, qualifications and titles of supervisory contractor and laboratory personnel from BNC Engineering, LLC, Roy F. Weston, Inc. and Severn Trent Laboratories, Inc.

BNC and Weston are in the process of developing the RI/FS Workplan.

### **3.0 CHANGES MADE IN THE PLANS DURING THE REPORTING PERIOD**

The only changes to any plan were the EPA comments to the Draft RAW.

### **4.0 COMMUNITY RELATIONS**

The EPA provided NORCO with a copy of the Community Involvement Plan (CIP) that was developed in 2002. Also the EPA has asked NORCO to hold a community meeting to discuss the Agreed Orders and the approved RAW. Additionally, the EPA provided sample notification leaflets and a newspaper advertisement to notify the public. The EPA will also be providing a list of the names and addresses of entities that will receive the leaflets.

BNC (NORCO's prime contractor) will establish and maintain a project website that the public can use to view relevant documents, presentations, site photos, schedules and contact information.

### **5.0 CHANGES IN PERSONNEL DURING THE REPORTING PERIOD**

There have been no changes to the project personnel this reporting period.

## **6.0 LIST OF PROJECTED WORK FOR THE NEXT TWO MONTHS**

### **Removal Action Work projected for the next two months includes:**

- Installing the project trailer;
- Obtaining water and electricity for the site;
- Cutting down tall weeds and grass;
- Conducting the asbestos survey;
- Selecting the demolition contractor;
- Locating utilities;
- Establishing the emergency first aid station;
- Obtaining and setting up fire suppression equipment;
- Developing personnel and equipment decontamination facilities;
- Providing sanitary facilities;
- Gauging the liquid volumes in the storage tanks;
- Performing a compatibility study of the liquids in the storage tanks;
- Removing grossly contaminated soil;
- Constructing a bioremediation cell to treat impacted soil;
- Initiating the removal of liquids from pipelines and storage tanks;
- Demolition of some storage tanks.
- Holding a community meeting to discuss the Agreed Order and Removal Action Work Plan.

### **RI/FS Work projected for the next two months includes:**

- Submitting the draft RI/FS workplan;
- Amending the draft RI/FS workplan;
- Holding a community meeting to discuss the Agreed Order.

## **7.0 COPIES OF LABORATORY / MONITORING DATA**

There have been no analytical or monitoring data acquired during this reporting period.

# **Monthly Progress Report #2**

## **August 2004**

**Falcon Refinery Superfund Site**  
**Ingleside**  
**San Patricio County, Texas**  
**TXD 086 278 058**

**Prepared for**

**National Oil Recovery Corporation**  
**3717 Bowne Street**  
**Flushing, NY 11354**

**September 9, 2004**

**Prepared by**

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None this reporting period

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None this reporting period

## LIST OF APPENDICES

None this reporting period



## **1.0 INTRODUCTION**

This second Monthly Progress Report is submitted in accordance with the Falcon Refinery Site Administrative Orders on Consent for Removal Action and Remedial Investigation / Feasibility Study between the U.S. Environmental Protection Agency (U.S. EPA) and National Oil Recovery Corporation (NORCO).

This Monthly Progress Report and subsequent reports will address activities associated with both of the orders.

The next monthly progress report covering September, 2004 will be submitted on or before October 10, 2004.

## **2.0 COMPLETED ACTIVITIES**

### **2.1 Removal Action Activities**

The field work associated with the asbestos assessment was completed during August however the results have not been received. The results will be provided in the September Progress Report.

Public utilities have been marked in the street in accordance with standard operating procedures.

Perimeter fences have been repaired and the utility hook-ups are in progress. The site has been cleared of tall weeds.

To access the above ground storage tanks ASTs, berms were temporarily removed to create construction pads for the AST gauging sampling. Due to the poor condition of the stairs on the sides of the tanks a mobile hydraulic lift had to be used to safely access the tops of the tanks. All procedures used were in compliance with the Safety and Health Plan.

The gauging and compatibility sampling of the liquid and sludge in the AST's has been completed in accordance with the Removal Action Work Plan. Volume calculations and the analytical portion of the compatibility testing will be reported next month.

Subcontractors that will be bidding to perform demolition have been to the site. When a subcontractor is selected the EPA will be notified and the site safety plan may be augmented.

## **2.2 Remedial Investigation / Feasibility Study (RI/FS)**

The draft 1) RI/FS Work Plan, 2) RI/FS Field Sampling Plan, 3) RI/FS Quality Assurance/Quality Control Project Plan (QA/QCPP), 4) Safety and Health Plan and the 5) Quality Management Plans were being developed for early September delivery.

## **3.0 CHANGES MADE IN THE PLANS DURING THE REPORTING PERIOD**

No changes were made to the plans during August.

## **4.0 COMMUNITY RELATIONS**

The EPA provided:

- An updated Community Involvement Plan (CIP) for the project;
- Names and addresses of concerned persons and local Corpus Christi media outlets;
- A mailer announcing a community meeting, which will be held on September 16, 2004 at 7 P.M. at the Ingleside City Hall, 2671 San Angelo, Ingleside, Texas 78362; and
- A newspaper announcement for the community meeting, which will run in the Corpus Christi Caller Times, The Aransas Pass Progress and the Ingleside Index during the first week of September.

## **5.0 CHANGES IN PERSONNEL DURING THE REPORTING PERIOD**

There have been no changes to the project personnel this reporting period.

## **6.0 LIST OF PROJECTED WORK FOR THE NEXT TWO MONTHS**

### **6.1 Removal Action Work projected for the next two months includes:**

- Performing the final water and electricity connections for the site;
- Selecting specialized demolition contractor(s);
- Establishing the emergency first aid station;
- Obtaining and setting up fire suppression equipment;

- Developing personnel and equipment decontamination facilities;
- Providing sanitary facilities;
- Removing grossly contaminated soil;
- Constructing a bioremediation cell to treat impacted soil;
- Initiating the removal of liquids from pipelines and storage tanks;
- Demolition of some storage tanks.
- Holding a community meeting to discuss the Agreed Order and Removal Action Work Plan.

**6.2 RI/FS Work projected for the next two months includes:**

- Submitting the draft RI/FS documents;
- Amending the draft RI/FS documents;
- Holding a community meeting to discuss the Agreed Order.

**7.0 COPIES OF LABORATORY / MONITORING DATA**

There have been no analytical or monitoring data acquired during this reporting period.

# **Monthly Progress Report #3**

## **September 2004**

**Falcon Refinery Superfund Site**  
**Ingleside**  
**San Patricio County, Texas**  
**TXD 086 278 058**

**Prepared for**

**National Oil and Recovery Corporation**  
**3717 Bowne Street**  
**Flushing, NY 11354**

**October 8, 2004**

**Prepared by**

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None this reporting period

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Table 1      Liquid and Sludge Volumes

## **LIST OF APPENDICES**

Appendix A   Tank Gauging Results

Appendix B   Results of the Waste Compatibility Study

## **1.0 INTRODUCTION**

This third Monthly Progress Report is submitted in accordance with the Falcon Refinery Site Administrative Orders on Consent for Removal Action and Remedial Investigation / Feasibility Study between the U.S. Environmental Protection Agency (U.S. EPA) and National Oil Recovery Corporation (NORCO).

This Monthly Progress Report and subsequent reports will address activities associated with both of the orders.

The next monthly progress report covering October, 2004 will be submitted on or before November 10, 2004.

## **2.0 COMPLETED ACTIVITIES**

### **2.1 Removal Action Activities**

The asbestos assessment report has been received and minor amounts of asbestos were noted. Identified asbestos containing materials (ACM) are predominantly comprised of gaskets in the valves and piping. Minor additional ACM areas were noted that will not interfere with any demolition activities. The final report will be provided in next months update.

The perimeter fence is complete and the facility is locked or manned at all times. Water service is now available at the site. Electricity has not been provided by the area utility due to a backlog of area work.

A safe zone has been created for the operations of Superior Crude Storage (Superior), which uses several above ground storage tanks to store crude oil. Orange fencing has been placed around the areas that truck drivers for Superior use to deliver their shipments of crude oil. Superior personnel have been advised that they must remain inside the safe zone.

Contents of the above ground storage tanks were gauged and the volume calculations are provided in Appendix A. Based on the gauging approximately 6.8 million gallons of liquid and 62,000 gallons of sludge are in the tanks (Table 1).

Subcontractors that are bidding to perform demolition and recycling activities have been to the site. When a subcontractor is selected the EPA will be notified and the site safety plan may be augmented.

An emergency first aid station has been established at the on-site project trailer. Safety equipment including fire suppression equipment, safety glasses and hard hats have been purchased and are ready for use.

Sanitary facilities are now available at the site.

Waste codes have been obtained and liquid disposal documentation and approvals have been obtained from the TCEQ and EPA.

Grossly contaminated soil was evaluated and approximately 6,000 yds<sup>3</sup> of soil will be excavated after tank demolition.

## **2.2 Remedial Investigation / Feasibility Study (RI/FS)**

The draft 1) RI/FS Work Plan, 2) RI/FS Field Sampling Plan, 3) RI/FS Quality Assurance/Quality Control Project Plan (QA/QCPP), 4) Safety and Health Plan and the 5) Quality Management Plans were provided to the EPA, TCEQ and applicable state and federal trustees.

## **3.0 CHANGES MADE IN THE PLANS DURING THE REPORTING PERIOD**

Though not explicitly stated in the Removal Action Workplan, the anticipated method of liquid waste disposal was 1) repair Tank 30, 2) put all liquid waste into Tank 30 (provided the results of the compatibility study were positive), 3) permit an on-site injection well and 4) dispose of the liquids in the injection well.

An updated cost/benefit analysis was performed of all available disposal options and the option selected was disposal at the EPA and TCEQ permitted injection well operated by Texas Molecular in Corpus Christi. Disposal of the liquid waste will involve loading three tankers a day each making three round trips, for a total of 45,000 gallons a day.

All applicable documentation and approvals have been obtained and the disposal will begin during the month of October.

## **4.0 COMMUNITY RELATIONS**

The first project related community meeting was held on September 16, 2004 at 7 P.M. at the Ingleside City Hall, 2671 San Angelo, Ingleside, Texas. Approximately 40 people including city and county officials attended the meeting. The PowerPoint presentation from the community meeting is available on the project web site.

The project web site [www.falcon-refinery.com](http://www.falcon-refinery.com) is operational and available for review by the public. Included at the web site are links to all approved project documents, PowerPoint presentations, contact information, site photographs, monthly progress reports and notifications of future meetings when they are announced.

## **5.0 CHANGES IN PERSONNEL DURING THE REPORTING PERIOD**

Bill Hoskins, who has significant environmental and superfund experience, will serve as the on-site project manager. Mr. Hoskins can be reached at (361) 775-0173.

## **6.0 LIST OF PROJECTED WORK FOR THE NEXT TWO MONTHS**

### **6.1 Removal Action Work projected for the next two months includes:**

- Performing the final electricity connection for the site;
- Selecting specialized demolition contractor(s);
- Removing grossly contaminated soil;
- Initiating construction of a bioremediation cell to treat impacted soil; pending EPA and TCEQ approval;
- Initiating the removal of liquids from pipelines and storage tanks;
- Demolition of some storage tanks.
- Recycling of crude oil in the storage tanks.

### **6.2 RI/FS Work projected for the next two months includes:**

- Making amendments to the RI/FS Work Plan, pending comments from the EPA and submitting the final RI/FS Work Plan.
- Implementing the RI/FS Work Plan.

## **7.0 COPIES OF LABORATORY / MONITORING DATA**

Results of the compatibility study are provided in Appendix B.



## Table 1

**TABLE 1**  
**Liquid and Sludge Volumes**  
**Falcon Refinery Superfund Site**

**North Site**

Tank	Dimensions		Capacity (gal.)	Tank Contents	
	Height (ft.)	Diameter (ft.)		Liquid (gal.)	Sludge (gal.)
2	24.0	50.0	352,534	168,923	3,672
7	32.0	47.3	420,000	380,624	0
X1	15.0	16.5	23,994	0	1,866
X2	18.0	16.5	28,793	0	1,333
X3	18.0	16.5	28,793	0	1,200

**North Site Total Volume (gal.):      549,547      8,071**

**South Site**

Tank	Dimensions		Capacity (gal.)	Tank Contents	
	Height (ft.)	Diameter (ft.)		Liquid (gal.)	Sludge (gal.)
N1	15.4	12.0	13,044	1,622	494
N2	15.4	12.0	13,044	8,743	0
Y1	10.3	19.0	21,741	10,075	1,061
10	40.0	94.5	2,100,000	28,071	0
17	32.2	33.3	210,000	17,409	0
18	32.2	33.3	210,000	157,771	3,808
19	32.2	33.3	210,000	0	0
20	32.2	33.3	210,000	199,662	3,264
21	32.2	33.3	210,000	174,636	2,720
22	32.2	33.3	210,000	25,026	0
23	32.2	33.3	210,000	67,461	0
24	32.2	33.3	210,000	183,885	3,264
26	40.0	107.8	2,730,000	2,730,000	0
27	40.0	107.8	2,730,000	2,690,188	39,813

**South Site Total Volume (gal.):      6,294,547      54,424**

**Refinery Total Volume (gal.):      6,844,094      62,495**

## Appendix A





SITE: NORCO Falcon Refinery  
DATE: 8/30/04 through 9/2/04

**TANKS GAUGED:**

North Site – 2, 7, X1, X2, X3  
(X1,2,3 are small tanks in NE corner of North Site)

South Site – 10, 17, 18, 19, 20, 21, 22, 23, 24, 26, 27, 30, N1, N2, Y1  
(N1,2 are small tanks to NW of 17-24; Y1 is small tank to SE of 17-24)

**LEGEND:**

Empty	
Product	
Water	
Sludge	

## Monthly Progress Report # 3 – September 2004

Falcon Refinery

Date: October 14, 2004

Section: Monthly Progress Report # 3

Page: 9

N1 – 8/31/04 – 2:30pm

Tank height = 15'5"

Tank diameter = 12'

Depth to product = 12'11"

Depth to sludge = 14'10"

Depth to water demarcation = 13'7"

Depth to sample 1 = 14'3"

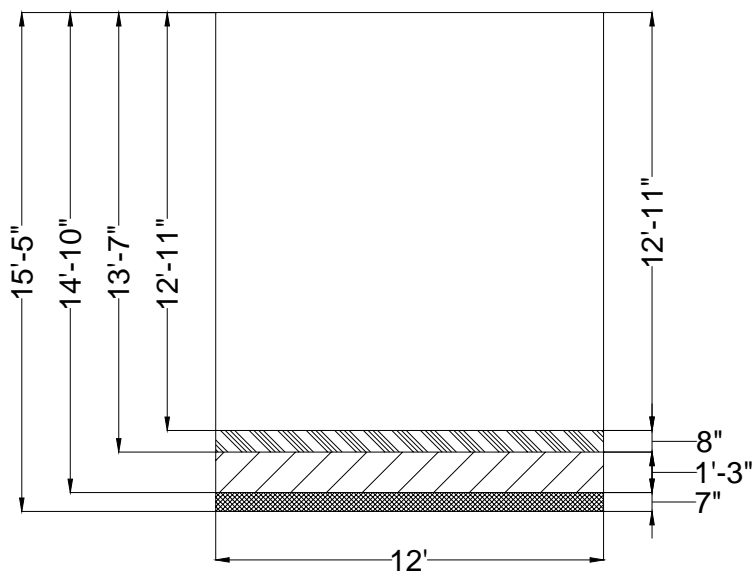
Depth to sample 2 = N/A

Depth to sample 3 = N/A

Volume of Product = 564.05 Gal.

Volume of Water = 1057.60 Gal.

Volume of Sludge = 493.55 Gal.



N2 – 8/31/04 – 3:30pm

Tank height = 15'5"

Tank diameter = 12'

Depth to product = 5'1"  
(depth to sludge, no fluids present)

Depth to sludge = 15'5"  
(bottom of tank)

Depth to water demarcation = N/A  
(no fluids present)

Depth to sample 1 = 1'0"  
(sample of sludge material)

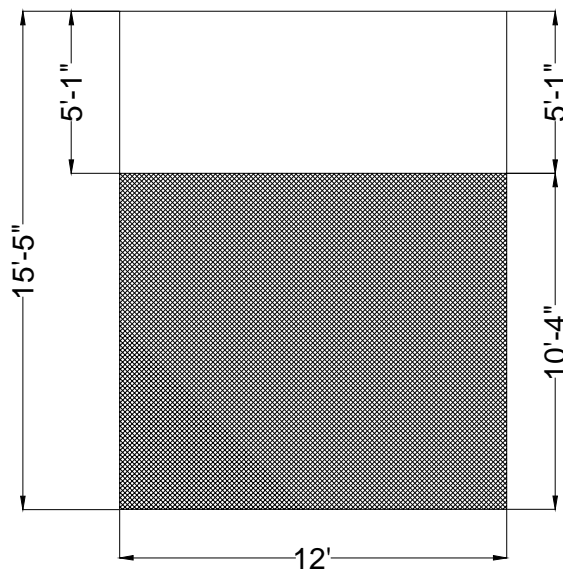
Depth to sample 2 = N/A

Depth to sample 3 = N/A

Volume of Product = 0 Gal.

Volume of Water = 0 Gal.

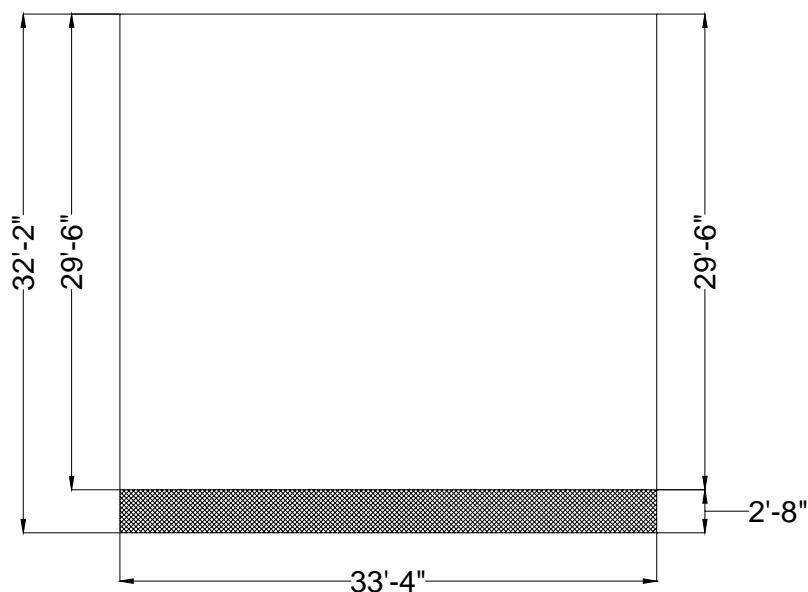
Volume of Sludge = 8742.84 Gal.



17 – 8/31/04 – 4:45pm

Tank height = 32'2"  
 Tank diameter = 33'4"  
 Depth to product = 29'6"  
 (depth to sludge, no fluids present)  
 Depth to sludge = 32'2"  
 (bottom of tank)  
 Depth to water demarcation = N/A  
 (no fluids present)  
 Depth to sample 1 = 1'0"  
 (sample of sludge material)  
 Depth to sample 2 = N/A  
 Depth to sample 3 = N/A

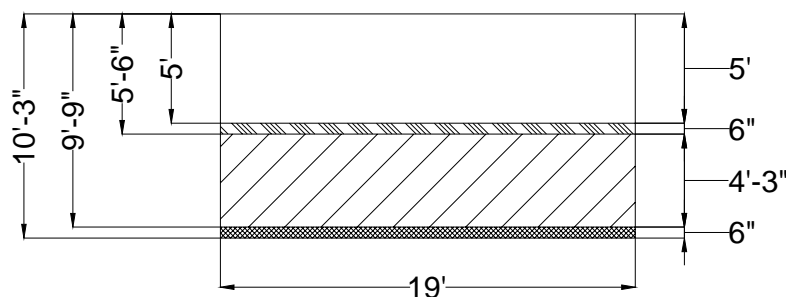
Volume of Product = 0 Gal.  
 Volume of Water = 0 Gal.  
 Volume of Sludge = 17409.11 Gal.



Y1 – 8/31/04 – 5:30pm (small tank SE of 21)

Tank height = 10'3"  
 Tank diameter = 19'  
 Depth to product = 5'0"  
 Depth to sludge = 9'9"  
 Depth to water demarcation = 5'6"  
 Depth to sample 1 = 7'6"  
 Depth to sample 2 = N/A  
 Depth to sample 3 = N/A

Volume of Product = 1060.54 Gal.  
 Volume of Water = 9014.59 Gal.  
 Volume of Sludge = 1060.54 Gal.



## Monthly Progress Report # 3 – September 2004

Falcon Refinery

Date: October 14, 2004

Section: Monthly Progress Report # 3

21 – 8/31/04 – 6:00pm

Tank height = 32'2"

Tank diameter = 33'4"

Depth to product = 5'0"

Depth to sludge = 31'9"

Depth to water demarcation = 5'1"

Depth to sample 1 = 6'0"

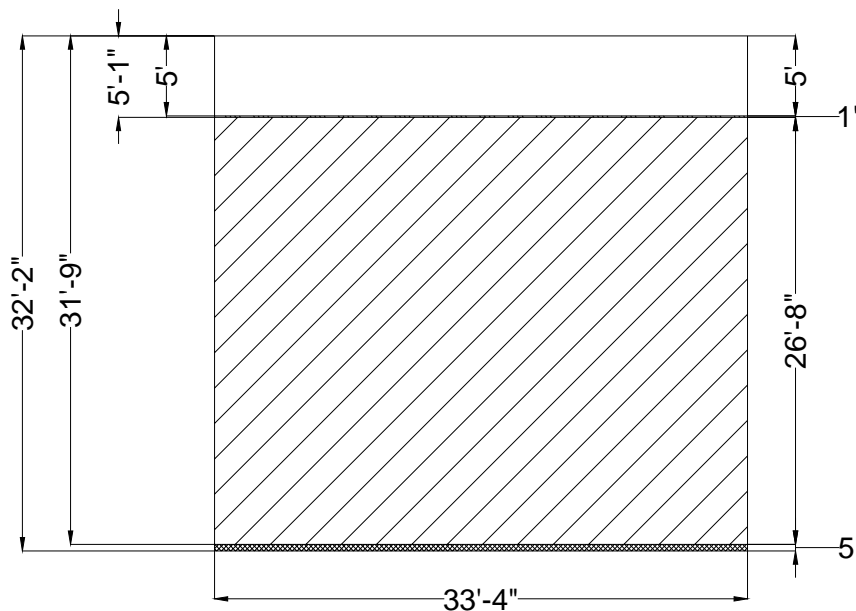
Depth to sample 2 = 15'0"

Depth to sample 3 = 31'0"

Volume of Product = 541.88 Gal.

Volume of Water = 174097.96 Gal.

Volume of Sludge = 2720.28 Gal.



18 – 8/31/04 – 6:30pm

Tank height = 32'2"

Tank diameter = 33'4"

Depth to product = 7'5"

Depth to sludge = 31'7"

Depth to water demarcation = 7'10"

Depth to sample 1 = 8'6"

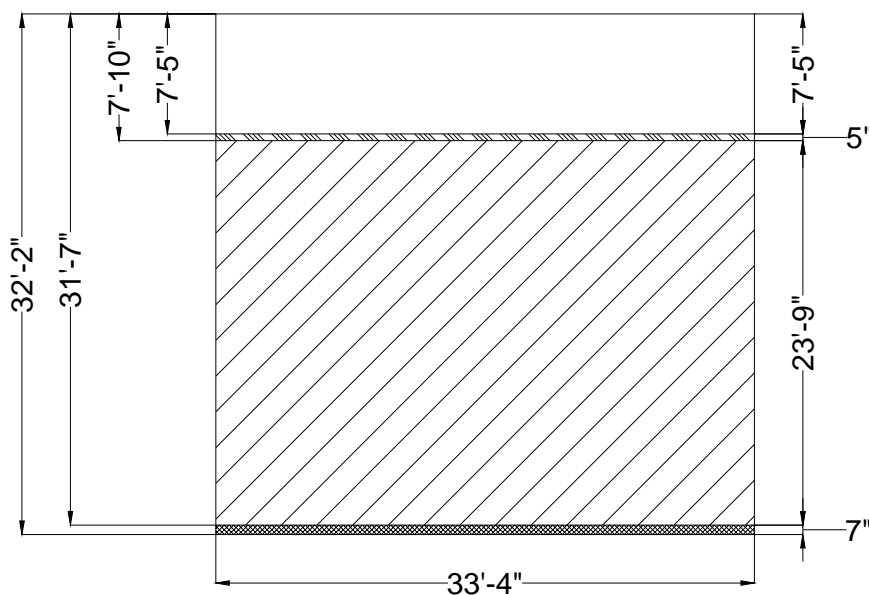
Depth to sample 2 = 20'0"

Depth to sample 3 = 31'0"

Volume of Product = 2720.28 Gal.

Volume of Water = 155050.22 Gal.

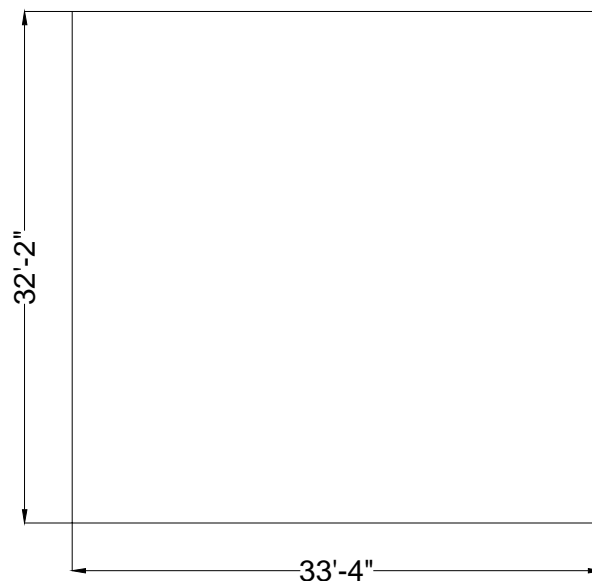
Volume of Sludge = 3808.23 Gal.



19 – 9/1/04 – 10:30am (empty tank)

Tank height = 32'2"  
Tank diameter = 33'4"  
Depth to product = N/A  
Depth to sludge = N/A  
Depth to water demarcation = N/A  
Depth to sample 1 = N/A  
Depth to sample 2 = N/A  
Depth to sample 3 = N/A

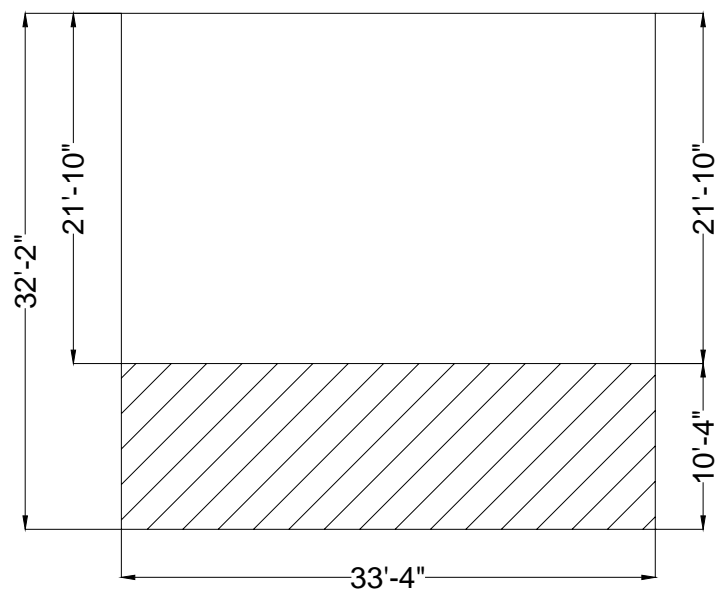
Volume of Product = 0 Gal.  
Volume of Water = 0 Gal.  
Volume of Sludge = 0 Gal.



23 – 9/1/04 – 10:45am

Tank height = 32'2"  
Tank diameter = 33'4"  
Depth to product = 21'10"  
Depth to sludge = 32'2"  
(bottom of tank, thin layer of sludge)  
Depth to water demarcation = 21'10"  
Depth to sample 1 = 23'0"  
Depth to sample 2 = 26'0"  
Depth to sample 3 = 31'0"

Volume of Product = 0 Gal.  
Volume of Water = 67462.66 Gal.  
Volume of Sludge = Negligible





22 – 9/1/04 – 11:00am

Tank height = 32'2"

Tank diameter = 33'4"

Depth to product = 28'4"

Depth to sludge = 32'2" (bottom of tank, thin layer of sludge)

Depth to water demarcation = 28'4"

Depth to sample 1 = 29'0"

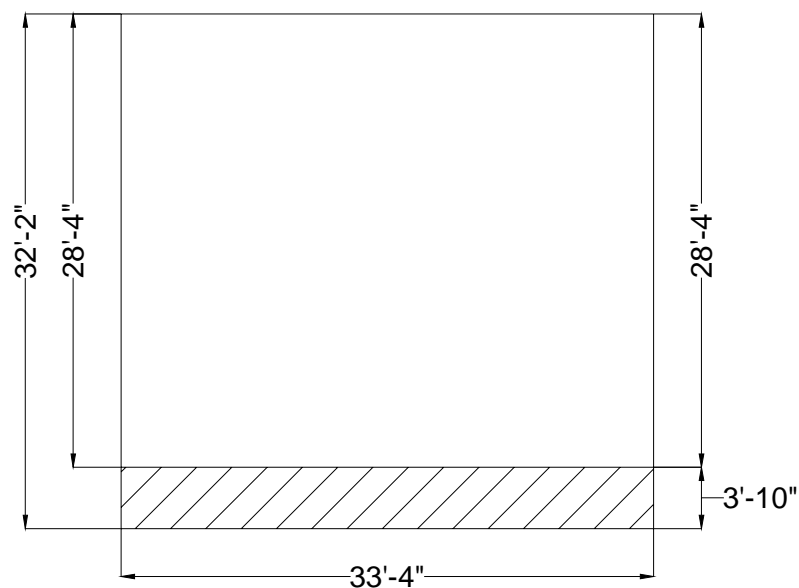
Depth to sample 2 = N/A

Depth to sample 3 = 31'0"

Volume of Product = 0 Gal.

Volume of Water = 25026.33 Gal.

Volume of Sludge = Negligible



20 – 9/1/04 – 11:45am

Tank height = 32'2"

Tank diameter = 33'4"

Depth to product = 1'0"

Depth to sludge = 31'8"

Depth to water demarcation = 6'0"

Depth to sample 1 = 2'0"

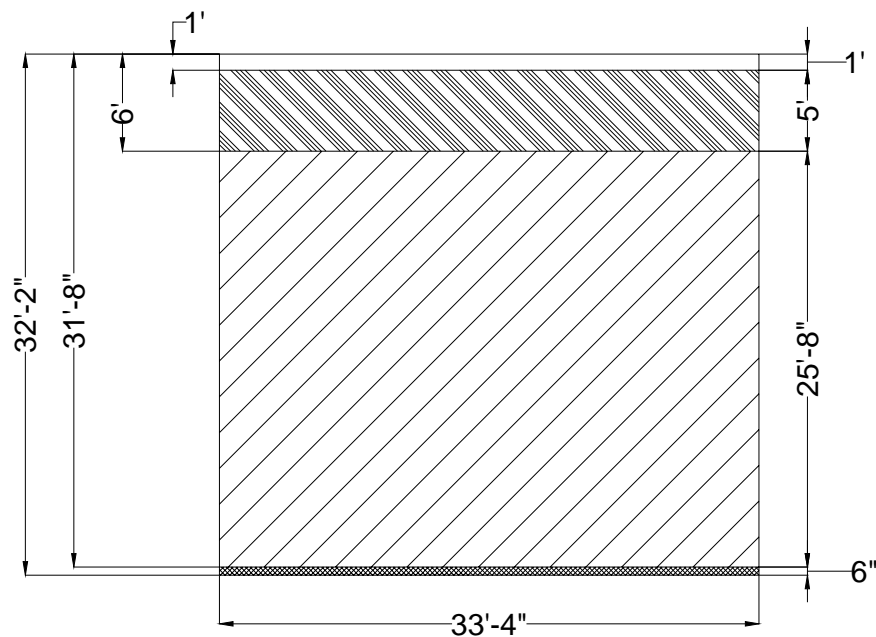
Depth to sample 2 = 15'0"

Depth to sample 3 = 30'0"

Volume of Product = 32642.15 Gal.

Volume of Water = 167569.29 Gal.

Volume of Sludge = 3264.33 Gal.



24 – 9/1/04 – 12:45pm

Tank height = 32'2"

Tank diameter = 33'4"

Depth to product = 3'6"

Depth to sludge = 31'8"

Depth to water demarcation = 3'6"

Depth to sample 1 = 4'5"

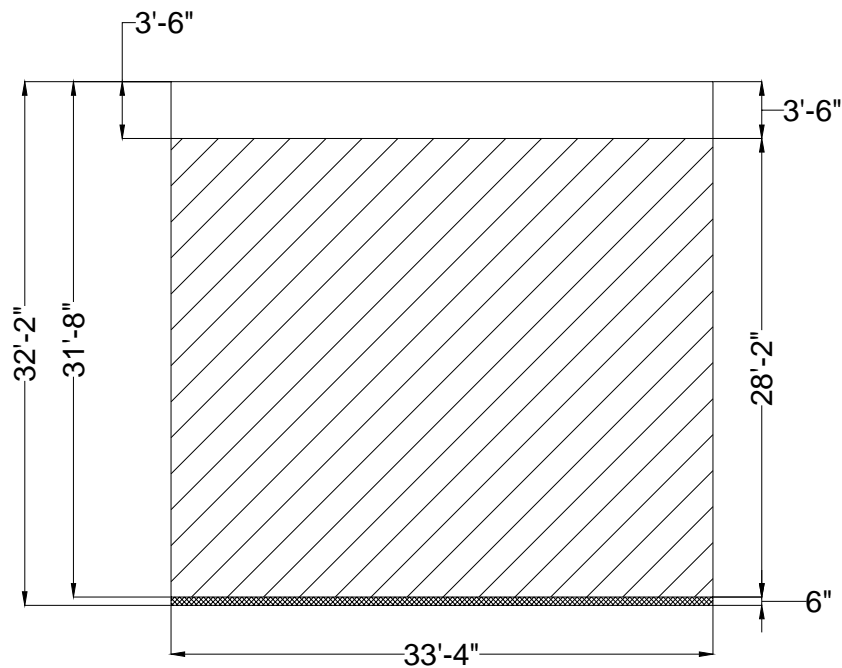
Depth to sample 2 = 16'0"

Depth to sample 3 = 31'0"

Volume of Product = 0 Gal.

Volume of Water = 183890.76 Gal.

Volume of Sludge = 3264.33 Gal.



30 – 9/1/04 – 4:10pm

Tank height = N/A (could not get measurement)

Tank diameter = N/A

Depth to product = 53'5"

Depth to sludge = 53'10"

Depth to water demarcation = N/A

Depth to sample 1 = N/A (sample attempted, could not collect)

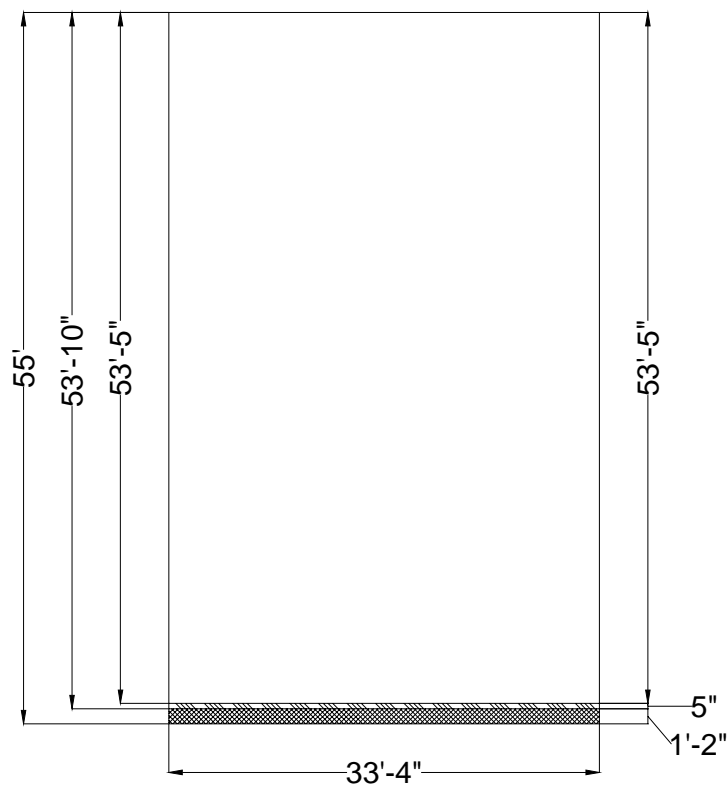
Depth to sample 2 = N/A

Depth to sample 3 = N/A

Volume of Product = 2720.30 Gal.

Volume of Water = 0 Gal.

Volume of Sludge = 7616.80 Gal.



7 – 9/1/04 – 5:30pm (internal floating roof; difficult access to sampling location)

Tank height = 32'0"

Tank diameter = 47'4"

Depth to product = 3'0" (top of internal floating roof)

Depth to sludge = 32'0" (bottom of tank, thin layer of sludge)

Depth to water demarcation = N/A

Depth to sample 1 = 5'0"

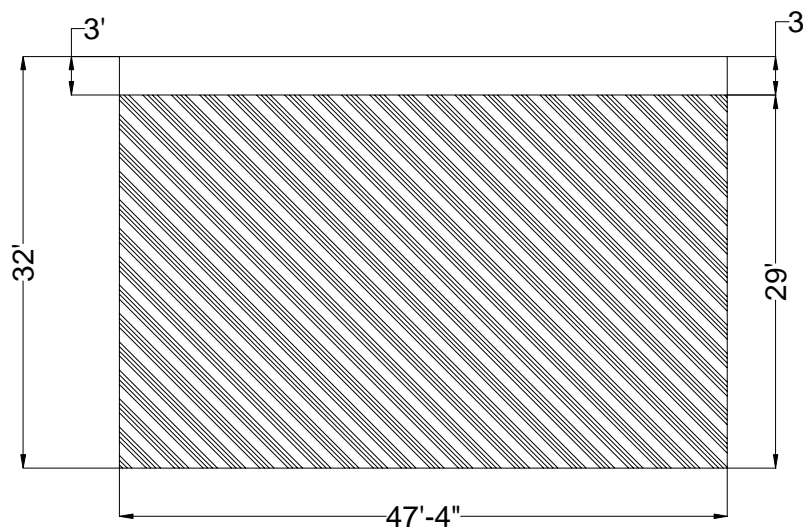
Depth to sample 2 = 16'0"

Depth to sample 3 = 30'0"

Volume of Product = ?

Volume of Water = ?

Volume of Sludge = ?



2 – 9/1/04 – 6:45pm

Tank height = 24'0"

Tank diameter = 50'

Depth to product = 12'3"

Depth to sludge = 23'9"

Depth to water demarcation = N/A (no detectable demarcation)

Depth to sample 1 = 14'0"

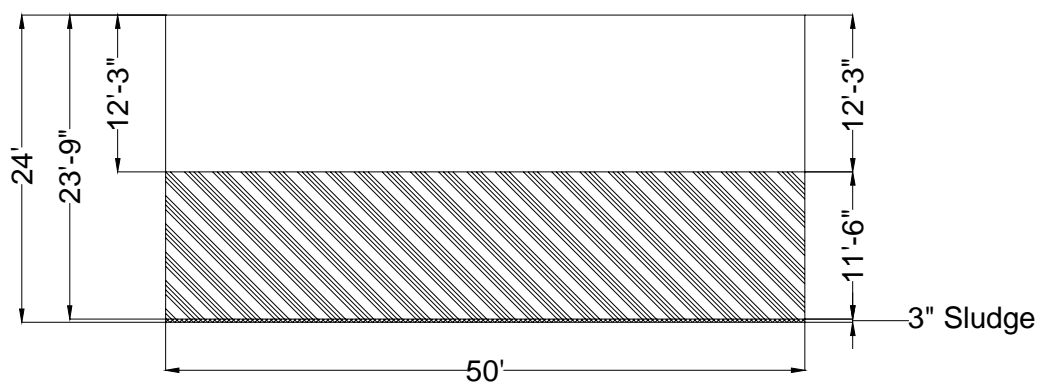
Depth to sample 2 = 19'0"

Depth to sample 3 = 23'0"

Volume of Product = 168922.46 Gal.

Volume of Water = 0 Gal.

Volume of Sludge = 490.87 Gal.



X3 – 9/2/04 – 9:30am

Tank height = 18'0"

Tank diameter = 16'6"

Depth to product = N/A (no fluids)

Depth to sludge = 17'3"

Depth to water demarcation = N/A

Depth to sample 1 = 17'6" (sample taken of sludge from ground level manway)

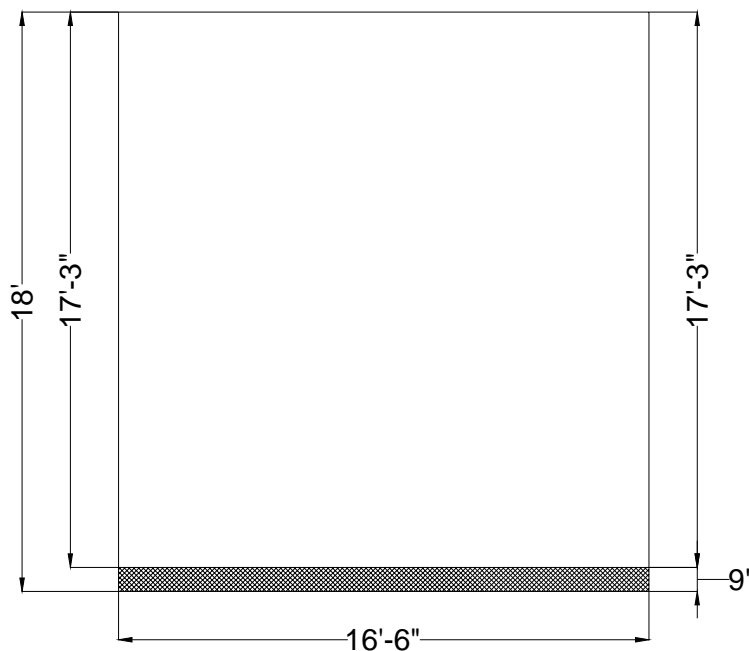
Depth to sample 2 = N/A

Depth to sample 3 = N/A

Volume of Product = 0 Gal.

Volume of Water = 0 Gal.

Volume of Sludge = 1199.72 Gal.



X2 – 9/2/04 – 9:30am

Tank height = 18'0"

Tank diameter = 16'6"

Depth to product = N/A (no fluids)

Depth to sludge = 17'2"

Depth to water demarcation = N/A

Depth to sample 1 = 17'6" (sample taken of sludge from ground level manway)

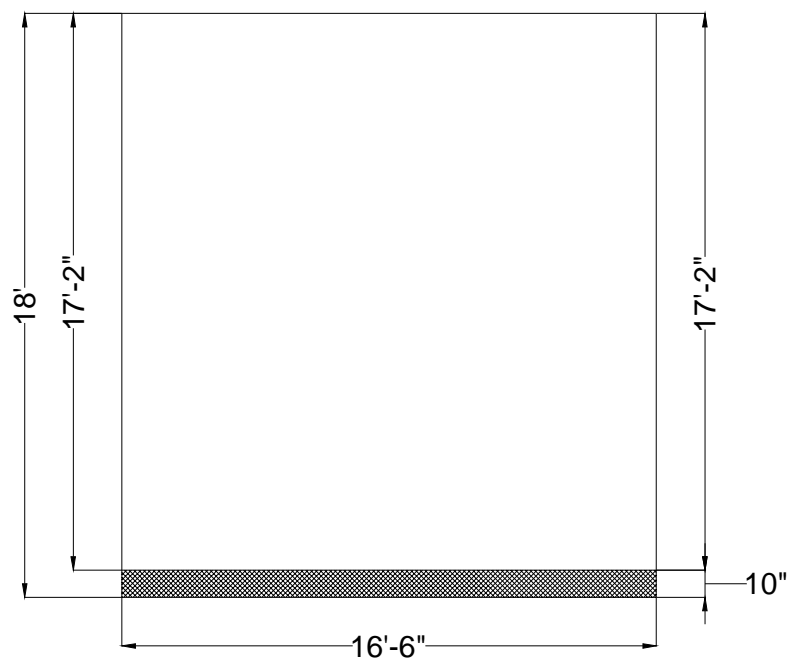
Depth to sample 2 = N/A

Depth to sample 3 = N/A

Volume of Product = 0 Gal.

Volume of Water = 0 Gal.

Volume of Sludge = 1332.97 Gal.





X1 – 9/2/04 – 9:30am

Tank height = 15'0"

Tank diameter = 16'6"

Depth to product = N/A (no fluids)

Depth to sludge = 13'10"

Depth to water demarcation = N/A

Depth to sample 1 = N/A (no access to obtain sample of sludge)

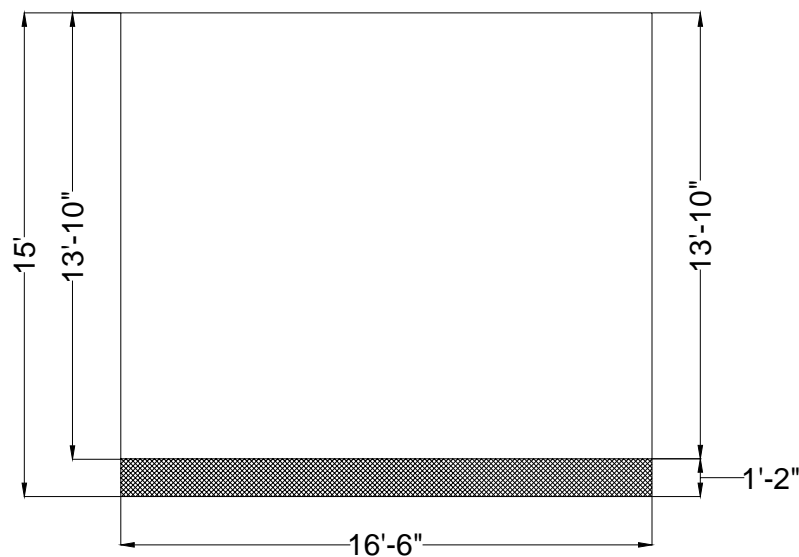
Depth to sample 2 = N/A

Depth to sample 3 = N/A

Volume of Product = 0 Gal.

Volume of Water = 0 Gal.

Volume of Sludge = 1866.23 Gal.



10 – 9/2/04 – 12:00pm

Tank height = 40'0"

Tank diameter = 94'6"

Depth to product = 36'0"

Depth to sludge = 40'0" (bottom of tank, thin layer of sludge)

Depth to water demarcation = N/A (attempted, could not obtain measurement, assume approx 6" layer of thick product)

Depth to sample 1 = 38'0"

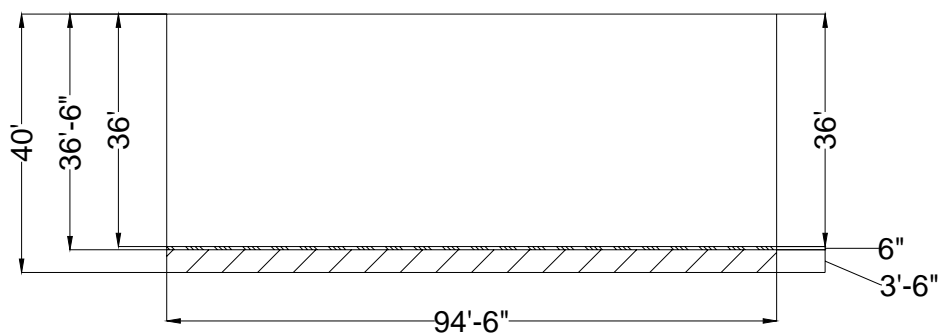
Depth to sample 2 = N/A

Depth to sample 3 = N/A

Volume of Product = 26235.13 Gal.

Volume of Water = 183645.88 Gal.

Volume of Sludge = Negligible



26 – 9/2/04 – 4:30pm

Tank height = 40'0"

Tank diameter = 107'9.5"

Depth to product = 0'0" (tank full)

Depth to sludge = 40'0" (bottom of tank, thin layer of sludge)

Depth to water demarcation = 0'0"

Depth to sample 1 = 2'0"

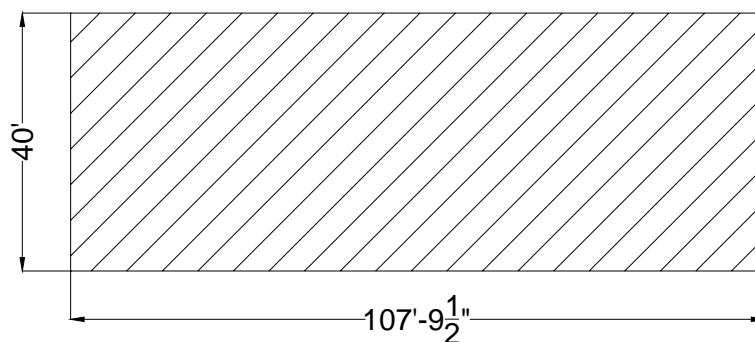
Depth to sample 2 = 20'0"

Depth to sample 3 = 38'0"

Volume of Product = 0 Gal.

Volume of Water = 2730754.06 Gal.

Volume of Sludge = Negligible



27 – 9/2/04 – 6:30pm

Tank height = 40'0"

Tank diameter = 107'9.5"

Depth to product = 0'0" (tank full)

Depth to sludge = 39'5"

Depth to water demarcation = 0'0"

Depth to sample 1 = 2'0"

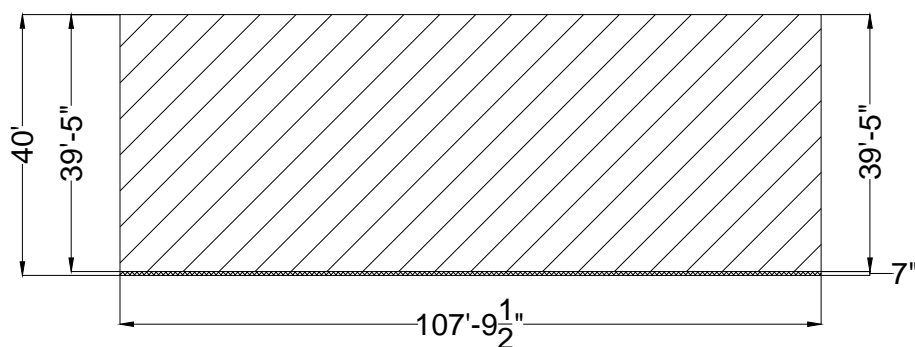
Depth to sample 2 = 20'0"

Depth to sample 3 = 38'0"

Volume of Product = 0 Gal.

Volume of Water = 2690930.79 Gal.

Volume of Sludge = 39823.27 Gal.



## Appendix B

## Compatibility Study

On September 9, 2004 this study was initiated. A total of 36 individual samples, collected from 17 tanks had been submitted to the laboratory. The study was conducted at room temperature which is approximately 70 degrees F in our extraction laboratory. There is quite a bit of subjectivity in this type of evaluation and, due to the wide variety of sample types, a pH measurement was not always appropriate nor was it possible to accurately describe the various layers. Naturally, due to the subjectivity of the observations, some opinions are expressed which may not be based on actual measurement. Additionally, in my experience in sampling tanks containing oil/water mixtures, it is difficult to take discrete layer samples without cross-contaminating samples. It is likely that some of the small amounts of oil seen in bottom layer, water samples is simply due to unavoidable contamination from lowering a sampling device through an oil layer.

### Phase I – Sample Descriptions and Intra-Tank Compatibility

226504-1 – Tank N2, a single sample from this tank which was a thick, black, organic material with an asphalt-like appearance. Unable to evaluate pH.

226504-2 – Tank N1, a single sample from this tank which was an aqueous liquid with oily globules representing 1-3% of the volume of the sample. pH was 7 and the sample had a slight oily odor.

226504-3 – Tank 17, a single sample of a thick oil with a viscosity similar to 90 weight gear lube. pH not appropriate.

226504-4 – Tank 21B, a single sample of a coffee colored, aqueous liquid. The pH of the aqueous liquid was 14. This caustic liquid contained 3-4% of oily-like solids.

226504- 5,6,7 – Tank 21 top, middle and bottom respectively. All samples consisted of a yellowish, aqueous liquid. The top sample contained approximately 1-2% oil with smaller amounts of oil in the other samples. This may be due to cross contamination of the sampling device. The pH was 7 in each of the 3 layers. No change in temperature or pH was noted after combining 20 ml of each layer. No visible reaction was noted.

226504- 8,9,10 – Tank 18 top, middle and bottom respectively. All samples consisted of a clear, aqueous liquid with both the middle and bottom samples having a small amount of an amber, oily material clinging to the sides of the jar. The bottom sample had one-half inch of a solid granular material which had a charcoal like appearance. All layers had a pH of 9. There was no change in temperature or pH when the layers were combined, nor was there any visible reaction.

226504- 11, 12, 13 – Tank 20 top, middle and bottom respectively. All samples consisted of an amber, aqueous liquid with some dark oil present in each sample. More oil was found in the top sample. The pH was found to be 14 in each layer. There was no change in temperature or pH when the layers were combined, nor was there any visible reaction.

226504 – 14, 15 – Tank 22 top and bottom respectively. Both samples contained a clear aqueous liquid with a small amount of oil in the bottom sample. The pH was 7 in both samples and both had a slight oily odor. Mixing these two samples failed to show a temperature or pH change and there was no visible reaction.

226504 - 16, 17, 18 – Tank 23 top, middle and bottom respectively. All three samples were a clear aqueous liquid with  $\frac{3}{4}$  inch of black sludge in the bottom sample. The pH was 8 in each layer. There was no change in temperature or pH when the layers were combined, nor was there any visible reaction.

226504 - 19, 20, 21 – Tank 24 top, middle and bottom respectively. All three samples were a clear, amber colored aqueous liquid. No oil was present. pH of all samples was 8. There was no change in temperature or pH when the layers were combined, nor was there any visible reaction.

226504 - 22, 23, 24 – Tank 2 top, middle and bottom respectively. All three samples consisted of a mostly aqueous liquid with thick oil on the surface of each layer, especially the top sample which contained approximately 2 inches of oil. The pH of each aqueous layer was 7. There was no change in temperature or pH when the layers were combined, nor was there any visible reaction.

226504 – 25, 26, 27 – Tank 7 top, middle and bottom respectively. The top sample has 2 inches of oil over an aqueous liquid. The oil has a viscosity of used motor oil, the middle sample has  $\frac{1}{2}$  inches of oil over an aqueous layer. The pH was 7 in each aqueous layer. There was no change in temperature or pH when the layers were combined, nor was there any visible reaction.

226504 - 28, 29, 30 – Tank 27 top, middle and bottom respectively. All three layers consisted of an amber colored, aqueous liquid with oil present in each layer, especially in the top. It may be likely that the oil is simply a cross-contamination that occurred during sampling. There were some solids found in each sample, mostly in the bottom sample with a  $\frac{1}{4}$  inch layer. The oil was mostly clinging to the sides of the jar. The pH in each of the samples was 7. There was no change in temperature or pH when the layers were combined, nor was there any visible reaction.

226504 – 31, 32, 33 – Tank 26 top, middle and bottom respectively. The top layer has a 4 inch layer of oil, a viscosity similar to 90 weight gear lube, over a one inch aqueous layer. The middle sample was a one inch layer of similar oil over a 4 inch aqueous layer. The bottom layer had one inch of a much less viscous oil over 5 inches of aqueous liquid. The pH of each aqueous layer was 7 and there was no change in temperature or pH when the layers were combined, nor was there any visible reaction.

226504 – 34 – Tank 10. Single sample from this tank consisted of a one inch oil layer over a clear aqueous liquid with a pH of 7.

226504 – 35 – Tank X2. A single sample of a mostly solid, asphalt like material. Unable to evaluate pH.

226504-36 – Tank X3. A single sample of a mostly solid, asphalt like material, nearly identical to sample #35 but with a slight solvent odor that sample #35 did not have. Unable to evaluate pH.

## **Phase II – Inter-Tank Reactivity**

On September 10, 2004 the second phase of the evaluation was conducted. The mixtures made the previous day were evaluated for pressure build-up or any visible change. No changes were evident.

The evaluation was conducted by combining the aqueous samples and the tank mixtures into a single jar followed by adding portions of the samples which were totally organic. The order of tank combination was: Tank N1, Tank 21B, (at this point the pH of the mixture was measured at 14) Tanks 21, 18, 20, 22, 23 (at this point there was some slight precipitation), 24 (at this point the pH was measured at 13), Tank 2, 7, 27, 26, and 10. At this point the mixture was a clear amber liquid with about two inches of oil on the surface. The pH was 13, there had been no temperature change and there was no sediment in the bottom of the jar. At this point portions of the organic samples were added to the jar. These included chunks of sludge from Tanks X2, X3, N2 and Tank 17. These materials floated on the surface but showed no additional reaction.

After 4 hours, a flocculent formed and settled in the bottom of the jar. The material was colloidal in nature, forming a layer approximately ½ inch in depth and consisting of a fine tan-colored, fluffy solid. No other changes were noted. After 24 hours and again after 72 hours observations were made and no additional reactions or changes had occurred.

In summary, the only evidence of a chemical or physical change resulting from combining these materials in the laboratory was the flocculation that occurred in the aqueous layer. Additionally, the pH of the aqueous layer was raised to the 13-14 range due to the caustic nature of the liquid in Tanks 21B and 20.



# **Monthly Progress Report #4 October 2004**

**Falcon Refinery Superfund Site  
Ingleside  
San Patricio County, Texas  
TXD 086 278 058**

**Prepared for**

**National Oil and Recovery Corporation  
3717 Bowne Street  
Flushing, NY 11354**

**November 10, 2004**

**Prepared by**

**BNC Engineering, LLC.  
607 River Bend Drive  
Georgetown, Texas 78628**

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## **1.0 INTRODUCTION**

This fourth Monthly Progress Report is submitted in accordance with the Falcon Refinery Site Administrative Orders on Consent for Removal Action and Remedial Investigation / Feasibility Study between the U.S. Environmental Protection Agency (U.S. EPA) and National Oil Recovery Corporation (NORCO).

This Monthly Progress Report and subsequent reports will address activities associated with both of the orders.

The next monthly progress report covering November, 2004 will be submitted on or before December 10, 2004.

## **2.0 COMPLETED ACTIVITIES**

### **2.1 Removal Action Activities**

Since activities are now being performed on a daily basis each day begins with a safety meeting about general hazards and specific concerns of each days anticipated actions.

Electricity has been obtained and the on-site office is fully functional.

Waste codes have been obtained and liquid disposal documentation and approvals have been obtained from the TCEQ and EPA.

Contracting with Texas Molecular was completed and the liquid in the tanks at the site will be disposed of in the Texas Molecular deep well injection well. All aspects of the liquid disposal have been approved by the EPA and TCEQ.

Hoses and valves were purchased to accommodate efficiently loading the tanker trucks that will be transporting the waste to the deep well injection well.

Approximately 55,000 gallons of liquid waste were removed during the month from Tanks 26 and 27. A copy of one of the waste manifests is included in Appendix A. Due to the number of shipments (an average of nine each day) the remainder of the manifests will not be included in these reports. The originals are available at the BNC office in Georgetown.

Soon after contracting to remove liquid waste, the injection well was placed out of service for routine maintenance, which stopped shipments for the remainder of the month. The injection well should be in full operation in November.

Several loads of road base were delivered to the site to allow tankers to load efficiently and during rainy periods. Graders and backhoes were used during the on-site road construction activities.

During clearing and grubbing activities, buried drums were found adjacent to Tank 13. The drums, which had apparently been emptied and crushed prior to burial, were removed with the assistance of a backhoe and loaded into a 25 yds<sup>3</sup> roll-off box that was delivered to the site for metal waste and the disposal of work clothing.

An underground used oil sump was also discovered during grubbing operations. The sump was adjacent to a former compressor and was apparently used to store the used oil.

During the month there were periods of substantial rain that flooded the firewalls of Tanks 26 and 27. Due to previously spilled oil in the firewalls a layer of crude was detected on top of the water that was flooding the areas around the tanks. Two frac tanks and pumps were used to remove the oil and water from the areas. After the oil and water separate the oil will be recycled and the water will be disposed of by Texas Molecular. Measurement of the contents of the frac tank revealed that there were 30,000 gallons of oil and 5,000 gallons of water.

Contacts have been made with a recycling company to remove any recoverable fuel in the tanks at the site. The contractor is in the process of meeting all CERCLA requirements to remove the fuel. No shipments will be made without EPA and TCEQ approval.

The Removal Action requires the treatment or disposal of grossly contaminated soil. An assessment was made of the areas with visibly impacted soil and the volume of material was estimated at approximately 6,000 yds<sup>3</sup>. NORCO is proposing to remediate the soil on-site in a treatment landfarm. To initiate the process soil samples were obtained of the impacted soil. The results are discussed in Section 7 of this report.

Subcontractors that are bidding to perform demolition and recycling activities have been to the site. When a subcontractor is selected the EPA will be notified and the site safety plan may be augmented.

The Asbestos Survey Report is included as Appendix B. Prior to any demolition activities an asbestos management plan will be developed.

## **2.2 Remedial Investigation / Feasibility Study (RI/FS)**

The EPA is reviewing the draft 1) RI/FS Work Plan, 2) RI/FS Field Sampling Plan, 3) RI/FS Quality Assurance/Quality Control Project Plan (QA/QCPP), 4) Safety and Health Plan and the 5) Quality Management Plans, which were provided to the EPA, TCEQ and applicable state and federal trustees on September 7, 2004.

### **3.0 CHANGES MADE IN THE PLANS DURING THE REPORTING PERIOD**

Oil and rainwater that accumulated around Tanks 26 and 27 was pumped out into two frac tanks that were delivered to the site. This was an unexpected activity that was not addressed in the Removal Action Work Plan.

### **4.0 COMMUNITY RELATIONS**

The project web site [www.falcon-refinery.com](http://www.falcon-refinery.com) is operational and available for review by the public. Included at the web site are links to all approved project documents, PowerPoint presentations, contact information, site photographs, monthly progress reports and notifications of future meetings when they are announced.

### **5.0 CHANGES IN PERSONNEL DURING THE REPORTING PERIOD**

In addition to Bill Hoskins, BNC has hired and safety trained three employees to perform routine maintenance at the site. All new employees are aware of and comply with the site safety plan.

### **6.0 LIST OF PROJECTED WORK FOR THE NEXT TWO MONTHS**

#### **6.1 Removal Action Work projected for the next two months includes:**

- Continuing the removal and disposal of liquids from the storage tanks and pipelines;
- Characterization, and disposal of drums;
- Selecting the specialized demolition contractor(s);
- Initiating permitting of a bioremediation cell to treat impacted soil; pending EPA and TCEQ approval;
- Removal of debris;
- Continued site maintenance;
- Demolition of some storage tanks; and
- Recycling of crude oil in the storage tanks.

#### **6.2 RI/FS Work projected for the next two months includes:**

- Making amendments to the RI/FS Work Plan, pending comments from the EPA and submitting the final RI/FS Work Plan.

- Implementing the RI/FS Work Plan.

## **7.0 COPIES OF LABORATORY / MONITORING DATA**

On September 29, 2004 soil samples were obtained around Tanks 27, 26 and 7 for the determination of grossly contaminated soil as required by the Removal Action Work Plan (RAW). At each tank two soil samples were obtained and analyzed for volatiles, semi-volatiles, metals and total petroleum hydrocarbons (TPH). Results of the sampling, which are provided in Appendix C, indicated that no volatile organics were detected, metals were in the expected range of soil in the area, the only semivolatile compound was phenanthrene with a maximum value of 72 mg/kg and there were elevated results for TPH. It should be noted that the reporting limits identified in the analytical reports (Appendix C - Soil Analytical Results) may or may not be applicable to the planned Remedial Investigation and Feasibility Study.

Sampled soil was visibly impacted by hydrocarbons and the elevated TPH concentrations were expected. The results which were non-detect in the c6-c12 range were typical of spilled crude oil. The maximum values for various carbon ranges were c12-c28 (49,300 mg/kg) and >c28-c35 (30,400 mg/kg).

As discussed in the RAW, NORCO anticipates excavating this soil and treating the material on site in a plastic lined treatment cell. Prior to excavating the soil or construction of the treatment cell, NORCO will obtain approval by the EPA and TCEQ.

## **Appendix A**

### **Waste Manifest**

## Appendix B

### Asbestos Survey Report

## Appendix C



## Soil Analytical Results

**Monthly Progress Report #5**  
**November 2004**

**Falcon Refinery Superfund Site**  
**Ingleside**  
**San Patricio County, Texas**  
**TXD 086 278 058**

**Prepared for**

**National Oil and Recovery Corporation**  
**3717 Bowne Street**  
**Flushing, NY 11354**

**December 10, 2004**

**Prepared by**

**BNC Engineering, LLC**  
**607 River Bend Drive**  
**Georgetown, Texas 78628**

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None this reporting period

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## **1.0 INTRODUCTION**

This fifth Monthly Progress Report is submitted in accordance with the Falcon Refinery Site Administrative Orders on Consent for Removal Action and Remedial Investigation / Feasibility Study between the U.S. Environmental Protection Agency (U.S. EPA) and National Oil and Recovery Corporation (NORCO).

This Monthly Progress Report and subsequent reports will address activities associated with both of the orders.

The next monthly progress report covering December, 2004 will be submitted on or before January 10, 2005.

## **2.0 COMPLETED ACTIVITIES**

### **2.1 Removal Action Activities**

Since activities are now being performed on a daily basis, each day begins with a safety meeting about general hazards and specific concerns of each day's anticipated actions.

Approximately 900,000 gallons of liquid waste were removed and properly disposed during the month from Tanks 26 and 27. Due to the number of shipments (an average of nine each day) the manifests will not be included in these reports. The originals are available at the BNC office in Georgetown.

A recycling contractor is in the process of meeting all CERCLA requirements to remove the fuel. The contractor had received approval from the EPA to recycle the fuel; however, the TCEQ is still in the process of approving the facility. No shipments will be made without both EPA and TCEQ approval.

A proposal to install and operate a Land Treatment Unit for the grossly contaminated soil that is predominantly adjacent to Tanks 7, 26 and 27 was submitted to the EPA for review. The proposal included a process description, reference to similar projects at EPA Superfund Sites, cost analysis for appropriate remedial alternatives, construction plan, operation and sampling plan and closure criteria.

Contractors were solicited for bids to "pig" the pipelines from the facility to the existing and former dock facilities. Additionally, bids have been requested to remove any fluids that may exist in the pipelines on-site and off-site. A former operator at the refinery was interviewed for his process knowledge about the pipelines.

TCEQ and EPA files, pertaining to pipelines in the vicinity of the refinery, were reviewed.

All known drums were sampled for characterization and eventual disposal. The results should be available in next month's progress report.

Clearing and grubbing have been ongoing.

## **2.2 Remedial Investigation / Feasibility Study (RI/FS)**

The EPA is reviewing the draft 1) RI/FS Work Plan, 2) RI/FS Field Sampling Plan, 3) RI/FS Quality Assurance/Quality Control Project Plan (QA/QCPP), 4) Safety and Health Plan and the 5) Quality Management Plans, which were provided to the EPA, TCEQ and applicable state and federal trustees on September 7, 2004.

## **3.0 CHANGES MADE IN THE PLANS DURING THE REPORTING PERIOD**

During the month the EPA requested a plan to deal with the pipelines that run from the facility to the current and former dock facilities. NORCO is in the process of obtaining bids from qualified contractors to "pig" and evacuate the pipelines.

## **4.0 COMMUNITY RELATIONS**

The project web site [www.falcon-refinery.com](http://www.falcon-refinery.com) is operational and available for review by the public. Included at the web site are links to all approved project documents, PowerPoint presentations, contact information, site photographs, monthly progress reports and notifications of future meetings when they are announced.

## **5.0 CHANGES IN PERSONNEL DURING THE REPORTING PERIOD**

No changes to personnel were made during the month.

## **6.0 LIST OF PROJECTED WORK FOR THE NEXT TWO MONTHS**

### **6.1 Removal Action Work projected for the next two months includes:**

- Continuing the removal and disposal of liquids from the storage tanks and pipelines at the current rate of approximately 1 million gallons a month;
- Characterization and disposal of drums;
- Selecting the specialized demolition contractor(s);
- Receiving a review of the Land Treatment Unit (LTU) proposal and with approval of the proposal the initiation of construction of the LTU;
- Removal of debris;

- Continued site maintenance;
- Demolition of some storage tanks; and
- Recycling of crude oil in the storage tanks.

**6.2 RI/FS Work projected for the next two months includes:**

- Making amendments to the RI/FS Work Plan, pending comments from the EPA and submitting the final RI/FS Work Plan.
- Implementing the RI/FS Work Plan.

**7.0 LABORATORY / MONITORING DATA**

No final laboratory analyses were received during the month.

**Monthly Progress Report #6  
December 2004**

**Falcon Refinery Superfund Site  
Ingleside  
San Patricio County, Texas  
TXD 086 278 058**

**Prepared for**

**National Oil and Recovery Corporation  
3717 Bowne Street  
Flushing, NY 11354**

**January 10, 2005**

**Prepared by**

**BNC Engineering, LLC  
607 River Bend Drive  
Georgetown, Texas 78628**

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## **1.0 INTRODUCTION**

This sixth Monthly Progress Report is submitted in accordance with the Falcon Refinery Site Administrative Orders on Consent for Removal Action and Remedial Investigation / Feasibility Study between the U.S. Environmental Protection Agency (U.S. EPA) and National Oil and Recovery Corporation (NORCO).

This Monthly Progress Report and subsequent reports will address activities associated with both of the orders.

The next monthly progress report covering January, 2005 will be submitted on or before February 10, 2005.

## **2.0 COMPLETED ACTIVITIES**

### **2.1 Removal Action Activities**

Since activities are now being performed on a daily basis, each day begins with a safety meeting about general hazards and specific concerns of each day's anticipated actions.

Approximately 879,000 gallons of liquid waste were removed and properly disposed during the month from Tanks 26 and 27. Due to the number of shipments (an average of nine each day) the manifests will not be included in these reports. The originals are available at the BNC office in Georgetown. A compilation of hazardous liquid waste disposal is included as Table 1.

The former control room at the refinery has been cleaned out and metal has been removed for recycling. Table 2 is a listing of metal recycling from the refinery.

Table 3 is a listing of all soil and oily debris removed from the site.

Several old fire extinguishers were properly disposed.

During the loading of a roll off box, some empty glass bottles caused a reaction with additional waste in the box and a smoldering fire was extinguished by the local fire department. A representative of the TCEQ was at the scene and the EPA was notified.

Additional drums were discovered and characterized.

Demolition activities were initiated on the pump station at the north property.

A recycling contractor is in the process of meeting all CERCLA requirements to remove the fuel. The contractor has received approval from the EPA to recycle the fuel; however, the TCEQ is still in the process of approving the facility. No shipments will be made without both EPA and TCEQ approval.

Contractors were solicited for bids to “pig” the pipelines from the facility to the existing and former dock facilities. Additionally, bids have been requested to remove any fluids that may exist in the pipelines on-site and off-site. A former operator at the refinery was interviewed for his process knowledge about the pipelines.

All known drums were sampled for characterization and eventual disposal. The results should be available in next month’s progress report.

Clearing and grubbing have been ongoing.

## **2.2 Remedial Investigation / Feasibility Study (RI/FS)**

The EPA is reviewing the draft 1) RI/FS Work Plan, 2) RI/FS Field Sampling Plan, 3) RI/FS Quality Assurance/Quality Control Project Plan (QA/QCPP), 4) Safety and Health Plan and the 5) Quality Management Plans, which were provided to the EPA, TCEQ and applicable state and federal trustees on September 7, 2004.

## **3.0 CHANGES MADE IN THE PLANS DURING THE REPORTING PERIOD**

NORCO is still in the process of hiring a pipeline contractor to pig the pipelines and remove any liquid in the pipelines.

## **4.0 COMMUNITY RELATIONS**

The project web site [www.falcon-refinery.com](http://www.falcon-refinery.com) is operational and available for review by the public. Included at the web site are links to all approved project documents, PowerPoint presentations, contact information, site photographs, monthly progress reports and notifications of future meetings when they are announced.

## **5.0 CHANGES IN PERSONNEL DURING THE REPORTING PERIOD**

No changes to personnel were made during the month.

## **6.0 LIST OF PROJECTED WORK FOR THE NEXT TWO MONTHS**

### **6.1 Removal Action Work projected for the next two months includes:**

- Continuing the removal and disposal of liquids from the storage tanks and pipelines at the current rate of approximately 900,000 gallons a month;
- Characterization and disposal of drums;
- Selecting the specialized demolition contractor(s);

- Receiving a review of the Land Treatment Unit (LTU) proposal and with approval of the proposal the initiation of construction of the LTU;
- Removal of debris;
- Continued site maintenance;
- Demolition of some storage tanks; and
- Recycling of crude oil in the storage tanks.

**6.2 RI/FS Work projected for the next two months includes:**

- Making amendments to the RI/FS Work Plan, pending comments from the EPA and submitting the final RI/FS Work Plan; and
- Implementing the RI/FS Work Plan.

**7.0 LABORATORY / MONITORING DATA**

No final laboratory analyses were received during the month.

**TABLES**

**Table 1  
 Hazardous Liquid Waste Disposal**

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
Texas Molecular Corpus Christi Services, LP	6901 Greenwood Dr Corpus Christi, TX	361-852-8284	TXR000001016	Robert Rodriguez

**RQ, HAZARDOUS WASTE LIQUID N.O.S., 9 , UN3082, III (D007, D008, D018)**

Month	Volume (gal)
October-04	53832
November-04	734763
December-04	879158
<b>Total</b>	<b>1667753</b>

**Table 2**  
**Metal Disposal**

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
Commercial Metal Company	4614 Agnes St Corpus Christi, TX	361-884-4071	None	David

**RECYCLED METAL**

Month	Volume (lbs)
October-04	0
November-04	16820
December-04	20640
<b>Total</b>	<b>37460</b>

**FIRE EXTINGUISHERS**

Month	Quantity
December-04	10
<b>Total</b>	<b>10</b>

Industrial Fire & Safety Co. removed 10 fire extinguishers from the job site.  
The powder was disposed of properly and the metal went to salvage.

**Table 3**  
**Contaminated Soil and Oily Debris Disposal**

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
U.S. Ecology Texas L.P.	P.O. Box 307 Robstown, TX	361-387-3518	TXD069452340	Glenda Felkner

**PETROLEUM CONTAMINATED SOIL AND OILY DEBRIS**

Month	Volume (cy)
October-04	0
November-04	0
December-04	40
<b>Total</b>	<b>40</b>

**Monthly Progress Report #7**  
**January 2005**

**Falcon Refinery Superfund Site**  
**Ingleside**  
**San Patricio County, Texas**  
**TXD 086 278 058**

**Prepared for**

**National Oil and Recovery Corporation**  
**3717 Bowne Street**  
**Flushing, NY 11354**

**February 10, 2005**

**Prepared by**

**BNC Engineering, LLC**  
**607 River Bend Drive**  
**Georgetown, Texas 78628**

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## **1.0 INTRODUCTION**

This seventh Monthly Progress Report is submitted in accordance with the Falcon Refinery Site Administrative Orders on Consent for Removal Action and Remedial Investigation / Feasibility Study between the U.S. Environmental Protection Agency (U.S. EPA) and National Oil and Recovery Corporation (NORCO).

This Monthly Progress Report and subsequent reports will address activities associated with both of the orders.

The next monthly progress report covering February, 2005 will be submitted on or before March 10, 2005.

## **2.0 COMPLETED ACTIVITIES**

### **2.1 Removal Action Activities**

Since activities are now being performed on a daily basis, each day begins with a safety meeting about general hazards and specific concerns of each day's anticipated actions.

Approximately 783,000 gallons of liquid waste were removed and properly disposed during the month from Tanks 26 and 27. Due to the number of shipments (an average of nine each day) the manifests will not be included in these reports. The originals are available at the BNC office in Georgetown. A compilation of hazardous liquid waste disposal is included as Table 1.

The EPA approved the use of Midstate Environmental Services, LLC to recycle oil that was recovered from the surface around Tanks 26 and 27. A total of 16,651 gallons of oil and water were recycled (Table 4) and a copy of one of the manifests is provided in Appendix 1.

Additional drums were discovered, characterized and disposed. With the exception of one drum that contains half a load of waste, all drums have been properly sampled and disposed. Analytical data from the drum sampling are discussed in Section 7.0 of this report and the results are provided in Appendix 2.

Demolition activities were completed on the pump station at the north property and the metal was sent to a recycler. Table 2 is a listing of metal recycling from the refinery.

Contractors were solicited for bids to "pig" the pipelines from the facility to the existing and former dock facilities. Additionally, bids have been requested to remove any fluids that may exist in the pipelines on-site and off-site. A former operator at the refinery was interviewed for his process knowledge about the pipelines.

Clearing and grubbing have been ongoing.

## **2.2 Remedial Investigation / Feasibility Study (RI/FS)**

The EPA is reviewing the draft 1) RI/FS Work Plan, 2) RI/FS Field Sampling Plan, 3) RI/FS Quality Assurance/Quality Control Project Plan (QA/QCPP), 4) Safety and Health Plan and the 5) Quality Management Plans, which were provided to the EPA, TCEQ and applicable state and federal trustees on September 7, 2004.

## **3.0 CHANGES MADE IN THE PLANS DURING THE REPORTING PERIOD**

NORCO is in the process of hiring a pipeline contractor to pig the pipelines and remove any liquid in the pipelines.

## **4.0 COMMUNITY RELATIONS**

The project web site [www.falcon-refinery.com](http://www.falcon-refinery.com) is operational and available for review by the public. Included at the web site are links to all approved project documents, PowerPoint presentations, contact information, site photographs, monthly progress reports and notifications of future meetings when they are announced.

## **5.0 CHANGES IN PERSONNEL DURING THE REPORTING PERIOD**

No changes to personnel were made during the month.

## **6.0 LIST OF PROJECTED WORK FOR THE NEXT TWO MONTHS**

### **6.1 Removal Action Work projected for the next two months includes:**

- Continuing the removal and disposal of liquids from the storage tanks and pipelines at the anticipated rate of approximately 500,000 gallons a month;
- Contracting a company to pig and evacuate the pipelines that leave the facility;
- Revising the Land Treatment Unit (LTU) proposal based on comments received from the EPA and TCEQ;
- Removal of debris;
- Continued site maintenance; and
- Demolition of some onsite structures.



**6.2 RI/FS Work projected for the next two months includes:**

- Making amendments to the RI/FS Work Plan, pending comments from the EPA and submitting the final RI/FS Work Plan; and
- Implementing the RI/FS Work Plan.

**7.0 LABORATORY / MONITORING DATA**

Analytical results of the drum sampling are included in Appendix 2 of this report. Eight abandoned drums were sampled from the North Site (1-NS to 8-NS) and 26 drums were sampled from the South Site (1-SS to 9-SS, 11-SS to 27-SS). For compliance with the QA/QC/P five duplicate samples and two trip blanks were also analyzed. Samples were analyzed for TCLP metals, reactivity (cyanide and sulfide), volatile organics, TCLP organics, TCLP semivolatile organics, halides, corrosivity and ignitability.

The results were provided to Texas Molecular for review and approval prior to disposal at their facility.

**TABLES**

**Table 1  
Hazardous Liquid Waste Disposal**

<b>DISPOSAL FACILITY</b>	<b>ADDRESS</b>	<b>PHONE NO.</b>	<b>EPA ID NO.</b>	<b>CONTACT</b>
Texas Molecular Corpus Christi Services, LP	6901 Greenwood Dr Corpus Christi, TX	361-852-8284	TXR000001016	Robert Rodriguez

**RQ, HAZARDOUS WASTE LIQUID N.O.S., 9 , UN3082, III (D007, D008, D018)**

<b>Month</b>	<b>Volume (gal)</b>
October-04	53,832
November-04	734,763
December-04	879,158
January-05	783,881
<b>Total</b>	<b>2,451,634</b>

**Table 2**  
**Metal Disposal**

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
Commercial Metal Company	4614 Agnes St Corpus Christi, TX	361-884-4071	None	David

**RECYCLED METAL**

Month	Volume (lbs)
October-04	0
November-04	16,820
December-04	19,640
January-05	31,380
<b>Total</b>	<b>67,840</b>

**FIRE EXTINGUISHERS**

Month	Quantity
December-04	10
<b>Total</b>	<b>10</b>

Industrial Fire & Safety Co. removed 10 fire extinguishers from the job site.  
 The powder was disposed of properly and the metal went to salvage.

**Table 3**  
**Contaminated Soil and Oily Debris Disposal**

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
U.S. Ecology Texas L.P.	P.O. Box 307 Robstown, TX	361-387-3518	TXD069452340	Glenda Felkner

**PETROLEUM CONTAMINATED SOIL AND OILY DEBRIS**

Month	Volume (cy)
October-04	0
November-04	0
December-04	40
January-05	0
<b>Total</b>	<b>40</b>

**Table 4**  
**Oil and Filter Disposal**

<b>DISPOSAL FACILITY</b>	<b>ADDRESS</b>	<b>PHONE NO.</b>	<b>EPA ID NO.</b>	<b>CONTACT</b>
Texas Molecular Corpus Christi Services, LP	6901 Greenwood Dr Corpus Christi, TX	361-852-8284	TXR000001016	Robert Rodriguez

**RECYLCED OIL AND FILTERS**

<b>Month</b>	<b>Volume (gal)</b>
January-05	403
<b>Total</b>	<b>403</b>

<b>DISPOSAL FACILITY</b>	<b>ADDRESS</b>	<b>PHONE NO.</b>	<b>EPA ID NO.</b>	<b>CONTACT</b>
Midstate Environmental Services, LLC	2203 Tower Road Robstown, TX	361-387-2171	TXR000051227	Lloyd Cooke

**RECYLCED OIL AND FILTERS**

<b>Month</b>	<b>Volume (gal)</b>
January-05	16,651
<b>Total</b>	<b>16,651</b>

## Appendix 1

### Midstate Environmental Recycling Manifest

# Midstate Environmental Services LLC

ME

5542

Robstown, TX  
EPA ID # TXR000051227  
TRANSPORTER # A85752  
TNRCC # A85752  
Waco, TX  
EPA ID # TXR000051235  
TRANSPORTER # A85738  
TNRCC # A85738

PO Box 261180  
Corpus Christi, TX 78426-1180  
(361) 387-2171  
In case of Emergency (866) 387-2171

Luling, TX  
EPA ID # TXR000036343  
TRANSPORTER # A85653  
TNRCC # A85653

GENERATOR							
Generator Name and Address <u>NORCO</u>				Generating Location/Address <u>1412 W 27th St</u> <u>Robstown, TX 78426</u>			
Phone No. (512) <u>970-1535</u>				Phone No. (512) <u>713-913</u> <u>512-387-6664</u>			
Generator's US EPA ID No. <u>TXR000051227</u>				State Generator's ID			
DESCRIPTION OF WASTE	WASTE CODE	QUANTITY	UNITS	CONTAINERS NO.	TYPE	TYPE	
<u>oil, grease &amp; water</u>		<u>6000</u>	<u>gal</u>	<u>1</u>	<u>1</u>	<u>D-DRUM</u> <u>C-CARRTON</u> <u>B-BAG</u> <u>T-TRUCK</u> <u>P-POUNDS</u> <u>Y-YARDS</u> <u>O-OTHERS</u>	
GENERATOR AUTHORIZED AGENT NAME <u>Bill C. Johnson</u>		SIGNATURE <u>[Signature]</u>		SHIPMENT DATE			
TRANSPORTER							
TRUCK NO. <u>106-204</u>		1st Gauge _____ 2nd gauge _____ Gross Amt. _____ BS & W % < _____ > Net Amt. _____				BS & W % _____	
TRANSPORTER NAME: <b>MIDSTATE ENVIRONMENTAL SERVICES LLC</b> P.O. BOX 261180 CORPUS CHRISTI, TX 78426-1180							
<u>3500 gal</u>		TNRCC:					
I HEREBY CERTIFY THAT THE ABOVE NAMED MATERIAL WAS PICKED UP AT THE GENERATOR ABOVE		I HEREBY CERTIFY THAT THE ABOVE NAMED MATERIAL WAS DELIVERED WITHOUT INCIDENT TO THE DESTINATION LISTED BELOWS					
DRIVER SIGNATURE <u>George Johnson</u>		SHIPMENT DATE <u>1-26-05</u>		DRIVER SIGNATURE		DELIVERY DATE	
DESTINATION							
SITE NAME <u>Midstate Env. Serv.</u>				PHONE <u>866-387-2171</u>			
ADDRESS <u>202 Tower Rd. Robstown TX, 78426</u>							
US EPA ID NO.				STATE FACILITY'S ID			
I HEREBY CERTIFY THAT THE ABOVE NAMED MATERIAL HAS BEEN ACCEPTED AND TO THE BEST OF MY KNOWLEDGE THE FOREGOING IS TRUE AND ACCURATE							
NAME OF AUTHORIZED AGENT		SIGNATURE		RECEIPT DATE			

WHITE - ORIGINAL YELLOW - FACILITY PINK - TRANSPORTER GOLD - GENERATOR'S FIRST COPY

## Appendix 2

### Analytical Results of Drum Sampling

# **Monthly Progress Report #8**

## **February 2005**

**Falcon Refinery Superfund Site**  
**Ingleside**  
**San Patricio County, Texas**  
**TXD 086 278 058**

**Prepared for**

**National Oil and Recovery Corporation**  
**3717 Bowne Street**  
**Flushing, NY 11354**

**March 10, 2005**

**Prepared by**

**BNC Engineering, LLC**  
**607 River Bend Drive**  
**Georgetown, Texas 78628**

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## **LIST OF APPENDICES**

None this reporting period



## **1.0 INTRODUCTION**

This eighth Monthly Progress Report is submitted in accordance with the Falcon Refinery Site Administrative Orders on Consent for Removal Action and Remedial Investigation / Feasibility Study between the U.S. Environmental Protection Agency (U.S. EPA) and National Oil and Recovery Corporation (NORCO).

This Monthly Progress Report and subsequent reports will address activities associated with both of the orders.

The next monthly progress report covering March, 2005 will be submitted on or before April 10, 2005.

## **2.0 COMPLETED ACTIVITIES**

### **2.1 Removal Action Activities**

Since activities are now being performed on a daily basis, each day begins with a safety meeting about general hazards and specific concerns of each day's anticipated actions.

Approximately 551,000 gallons of liquid waste were removed and properly disposed during the month from Tanks 26, 27 and 7. Due to the number of shipments (an average of nine each day) the manifests will not be included in these reports. The originals are available at the BNC office in Georgetown. A compilation of hazardous liquid waste disposal is included as Table 1.

Since the liquid level in Tanks 26 and 27 has been significantly reduced the liquid waste disposal operations have been moved to Tanks 7 and 2 on the North Site. Equipment necessary to remove the waste were transferred to the North Site.

In response to comments from the EPA and trustees, ten shallow borings were hand dug around Tanks 7, 26 and 27 to determine the depth of the grossly stained soil and the volume of soil that may require removal under the Removal Action. The results of the test holes, which are presented on Table 5, indicate that the maximum depth of visibly contaminated soil was ten inches (Tank 27) and the average was approximately four inches. The results indicate that the total volume of visibly impacted soil is 773 cubic yards, which is significantly less than expected and proposed in the Land Treatment Unit (LTU) proposal. Assuming that the removal actions will include some additional soil a scenario for 1,000 cubic yards is also presented. Even in the larger example the LTU will be less than a half acre in size at a placement thickness (inside LTU) of 18 inches.

The frac tanks that were used to store the recovered crude oil were cleaned and removed from the site. Rinse water was properly disposed.

Demolition activities included cutting pipe on the North Site. Table 2 is a listing of metal recycling from the refinery.

Clearing and grubbing have been ongoing.

## **2.2 Remedial Investigation / Feasibility Study (RI/FS)**

The EPA provided comments to the 1) RI/FS Work Plan, 2) RI/FS Field Sampling Plan and the 3) RI/FS Quality Assurance/Quality Control Project Plan (QA/QCPP).

In response to the EPA comments concerning the Field Sampling Plan, a door to door search was performed of the homes on Thayer Road to determine the presence of water wells.

A meeting is scheduled at the Region 6 offices of the EPA in Dallas to discuss the workplan.

Additional TCEQ files in the Corpus Christi District Office were reviewed and copied.

Amendments to the plan are being prepared.

## **3.0 CHANGES MADE IN THE PLANS DURING THE REPORTING PERIOD**

None this reporting period.

## **4.0 COMMUNITY RELATIONS**

The project web site [www.falcon-refinery.com](http://www.falcon-refinery.com) is operational and available for review by the public. Included at the web site are links to all approved project documents, PowerPoint presentations, contact information, site photographs, monthly progress reports and notifications of future meetings when they are announced.

## **5.0 CHANGES IN PERSONNEL DURING THE REPORTING PERIOD**

No changes to personnel were made during the month.

## **6.0 LIST OF PROJECTED WORK FOR THE NEXT TWO MONTHS**

### **6.1 Removal Action Work projected for the next two months includes:**

- Continuing the removal and disposal of liquids from the storage tanks and pipelines at the anticipated rate of approximately 500,000 gallons a month;
- Contracting a company to pig and evacuate the pipelines that leave the facility;

- Revising the Land Treatment Unit (LTU) proposal based on comments received from the EPA and TCEQ;
- Removal of debris;
- Continued site maintenance; and
- Demolition of some onsite structures;

**6.2 RI/FS Work projected for the next two months includes:**

- Meeting with the EPA and Trustees about the work plan;
- Making amendments to the RI/FS Work Plan and submitting the final RI/FS Work Plan; and
- Making amendments to and submitting the Field Sampling Plan and the Quality Assurance Project Plan.

**7.0 LABORATORY / MONITORING DATA**

None this reporting period.

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**TABLES****Table 1  
Hazardous Liquid Waste Disposal**

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
Texas Molecular Corpus Christi Services, LP	6901 Greenwood Dr Corpus Christi, TX	361-852-8284	TXR000001016	Robert Rodriguez

**RQ, HAZARDOUS WASTE LIQUID N.O.S., 9 , UN3082, III (D007, D008, D018)**

Month	Volume (gal)
October-04	53,832
November-04	734,763
December-04	879,158
January-05	783,881
February-05	551,444
<b>Total</b>	<b>3,003,078</b>

**Table 2  
Metal Disposal**

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
Commercial Metal Company	4614 Agnes St Corpus Christi, TX	361-884-4071	None	David

**RECYCLED METAL**

Month	Volume (lbs)
October-04	0
November-04	16,820
December-04	19,640
January-05	31,380
February-05	0
<b>Total</b>	<b>67,840</b>

**FIRE EXTINGUISHERS**

Month	Quantity
December-04	10
<b>Total</b>	<b>10</b>

Industrial Fire & Safety Co. removed 10 fire extinguishers from the job site.  
The powder was disposed of properly and the metal went to salvage.

**Table 3**  
**Contaminated Soil and Oily Debris Disposal**

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
U.S. Ecology Texas L.P.	P.O. Box 307 Robstown, TX	361-387-3518	TXD069452340	Glenda Felkner

**PETROLEUM CONTAMINATED SOIL AND OILY DEBRIS**

Month	Volume (cy)
October-04	0
November-04	0
December-04	40
January-05	0
February-05	0
<b>Total</b>	<b>40</b>

**RQ, HAZARDOUS WASTE SOLID, N.O.S., LEAD, 9 NA3077, PGIII (OILY SLUDGE AND SOIL)**

Month	Volume (cy)
February-05	15
<b>Total</b>	<b>15</b>

**Table 4**  
**Oil and Filter Disposal**

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
Texas Molecular Corpus Christi Services, LP	6901 Greenwood Dr Corpus Christi, TX	361-852-8284	TXR000001016	Robert Rodriguez

**RECYLCED OIL AND FILTERS**

Month	Volume (gal)
January-05	403
February-05	0
<b>Total</b>	<b>403</b>

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
Midstate Environmental Services, LLC	2203 Tower Road Robstown, TX	361-387-2171	TXR000051227	Lloyd Cooke

**RECYLCED OIL AND FILTERS**

Month	Volume (gal)
January-05	16,651
February-05	0
<b>Total</b>	<b>16,651</b>

**Table 5**  
**Visibly Contaminated Surface Soil**

Test Hole #	Tank 7 Visual Depth (in)	Tank 26 Visual Depth (in)	Tank 27 Visual Depth (in)
TH 1	4	4	2.5
TH 2	6	3	2.5
TH 3	3	3	8.5
TH 4	2	1.5	1
TH 5	5	4	7
TH 6	2	1	10
TH 7	3	4	3
TH 8	1	3	9
TH 9	2	1.5	5
TH 10	5.5	2	1.5
<b>AVG</b>	<b>3.35</b>	<b>2.7</b>	<b>5</b>

**Area of Visual Contamination**

	<b>Tank 7</b>	<b>Tank 26</b>	<b>Tank 27</b>
(ftxft)	100 x 190	186 x 183	100 x 190
(sq ft)	19,000	34,038	19,000
(acres)	0.44	0.78	0.44

**Volume of Visual Contamination**

	<b>Tank 7</b>	<b>Tank 26</b>	<b>Tank 27</b>	<b>Total</b>
(cu ft)	5,304	7,659	7,917	20,879
(cu yds)	196	284	293	773

**Landfarm Design**

Volume Required (cu yds)	Contaminated Soil Cell Depth (in)	Calculated Surface Area (sq ft)	Calculated Surface Area (acres)	Cell Dimension – Square (ft)
773	18	13,920	0.32	118
1,000	18	18,000	0.41	135

**Monthly Progress Report #9**  
**March 2005**

**Falcon Refinery Superfund Site**  
**Ingleside**  
**San Patricio County, Texas**  
**TXD 086 278 058**

**Prepared for**

**National Oil and Recovery Corporation**  
**3717 Bowne Street**  
**Flushing, NY 11354**

**April 8, 2005**

**Prepared by**

**BNC Engineering, LLC**  
**607 River Bend Drive**  
**Georgetown, Texas 78628**

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## **LIST OF APPENDICES**

None this reporting period



## **1.0 INTRODUCTION**

This ninth Monthly Progress Report is submitted in accordance with the Falcon Refinery Site Administrative Orders on Consent for Removal Action and Remedial Investigation / Feasibility Study between the U.S. Environmental Protection Agency (U.S. EPA) and National Oil and Recovery Corporation (NORCO).

This Monthly Progress Report and subsequent reports will address activities associated with both of the orders.

The next monthly progress report covering April, 2005 will be submitted on or before May 10, 2005.

## **2.0 COMPLETED ACTIVITIES**

### **2.1 Removal Action Activities**

Since activities are now being performed on a daily basis, each day begins with a safety meeting about general hazards and specific concerns of each day's anticipated actions.

Approximately 565,000 gallons of liquid waste were removed and properly disposed during the month from Tanks 2, 7, 26 and 27. Due to the number of shipments (an average of nine each day) the manifests will not be included in these reports. The originals are available at the BNC office in Georgetown. A compilation of hazardous liquid waste disposal is included as Table 1.

During the months of February and March, 2005 the liquid level in Tanks 2 and 7 on the North Site were significantly drawn down. As the fluid level approached the bottoms of the above ground storage tanks, increased concentrations of solids were detected in the waste. A decision was made to allow the suspended solids to settle and disposal operations were shifted back to Tanks 26 and 27 on the South Site. Equipment necessary to remove the waste were transferred to the South Site.

Clearing and grubbing have been ongoing.

### **2.2 Remedial Investigation / Feasibility Study (RI/FS)**

The EPA provided comments to the 1) RI/FS Work Plan, 2) RI/FS Field Sampling Plan and the 3) RI/FS Quality Assurance/Quality Control Project Plan (QA/QCPP).

A meeting was held at the Region 6 offices of the EPA in Dallas on March 4th to discuss the workplan. The meeting was attended by EPA personnel, state and federal trustees and NORCO team members.

After the meeting NORCO personnel interviewed persons that live near the facility to determine the location of an oil filled sink hole that was noted in the project record. Based on the interviews and review of information in the project record it was determined that the release of oil that caused the sink hole was a pipeline that was not owned by NORCO or any predecessor at the Falcon Refinery. The EPA is investigating the current owner of the pipeline.

Additional TCEQ files in the Corpus Christi District Office were reviewed and copied.

Amendments to the RI/FS Work Plan, Quality Assurance Project Plan and Field Sampling Plan are being prepared. The amended reports will be provided to the EPA by May 5, 2005.

### **3.0 CHANGES MADE IN THE PLANS DURING THE REPORTING PERIOD**

None this reporting period.

### **4.0 COMMUNITY RELATIONS**

The project web site [www.falcon-refinery.com](http://www.falcon-refinery.com) is operational and available for review by the public. Included at the web site are links to all approved project documents, PowerPoint presentations, contact information, site photographs, monthly progress reports and notifications of future meetings when they are announced.

### **5.0 CHANGES IN PERSONNEL DURING THE REPORTING PERIOD**

No changes to personnel were made during the month.

### **6.0 LIST OF PROJECTED WORK FOR THE NEXT TWO MONTHS**

#### **6.1 Removal Action Work projected for the next two months includes:**

- Continuing the removal and disposal of liquids from the storage tanks and pipelines at the anticipated rate of approximately 500,000 gallons a month;
- Contracting a company to pig and evacuate the pipelines that leave the facility;
- Revising the Land Treatment Unit (LTU) proposal based on comments received from the EPA and TCEQ;
- Removal of debris;
- Continued site maintenance; and
- Demolition of some onsite structures.

**6.2 RI/FS Work projected for the next two months includes:**

- Conferring with the EPA and Trustees about the work plan;
- Making amendments to the RI/FS Work Plan and submitting the final RI/FS Work Plan; and
- Making amendments to and submitting the Field Sampling Plan and the Quality Assurance Project Plan.

**7.0 LABORATORY / MONITORING DATA**

None this reporting period.

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**TABLES****Table 1  
Hazardous Liquid Waste Disposal**

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
Texas Molecular Corpus Christi Services, LP	6901 Greenwood Dr Corpus Christi, TX	361-852-8284	TXR000001016	Robert Rodriguez

**RQ, HAZARDOUS WASTE LIQUID N.O.S., 9 , UN3082, III (D007, D008, D018)**

Month	Volume (gal)
October-04	53,832
November-04	734,763
December-04	879,158
January-05	783,881
February-05	551,444
March-05	565,489
<b>Total</b>	<b>3,568,567</b>

**Table 2  
Metal Disposal**

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
Commercial Metal Company	4614 Agnes St Corpus Christi, TX	361-884-4071	None	David

**RECYCLED METAL**

Month	Volume (lbs)
October-04	0
November-04	16,820
December-04	19,640
January-05	31,380
February-05	0
<b>Total</b>	<b>67,840</b>

**FIRE EXTINGUISHERS**

Month	Quantity
December-04	10
<b>Total</b>	<b>10</b>

Industrial Fire & Safety Co. removed 10 fire extinguishers from the job site.  
The powder was disposed of properly and the metal went to salvage.

**Table 3**  
**Contaminated Soil and Oily Debris Disposal**

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
U.S. Ecology Texas L.P.	P.O. Box 307 Robstown, TX	361-387-3518	TXD069452340	Glenda Felkner

**PETROLEUM CONTAMINATED SOIL AND OILY DEBRIS**

Month	Volume (cy)
October-04	0
November-04	0
December-04	40
January-05	0
February-05	0
<b>Total</b>	<b>40</b>

**RQ, HAZARDOUS WASTE SOLID, N.O.S., LEAD, 9 NA3077, PGIII (OILY SLUDGE AND SOIL)**

Month	Volume (cy)
February-05	15
<b>Total</b>	<b>15</b>

**Table 4**  
**Oil and Filter Disposal**

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
Texas Molecular Corpus Christi Services, LP	6901 Greenwood Dr Corpus Christi, TX	361-852-8284	TXR000001016	Robert Rodriguez

**RECYLCED OIL AND FILTERS**

Month	Volume (gal)
January-05	403
February-05	0
<b>Total</b>	<b>403</b>

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
Midstate Environmental Services, LLC	2203 Tower Road Robstown, TX	361-387-2171	TXR000051227	Lloyd Cooke

**RECYLCED OIL AND FILTERS**

Month	Volume (gal)
January-05	16,651
February-05	0
<b>Total</b>	<b>16,651</b>

**Table 5**  
**Visibly Contaminated Surface Soil**

Test Hole #	Tank 7 Visual Depth (in)	Tank 26 Visual Depth (in)	Tank 27 Visual Depth (in)
TH 1	4	4	2.5
TH 2	6	3	2.5
TH 3	3	3	8.5
TH 4	2	1.5	1
TH 5	5	4	7
TH 6	2	1	10
TH 7	3	4	3
TH 8	1	3	9
TH 9	2	1.5	5
TH 10	5.5	2	1.5
<b>AVG</b>	<b>3.35</b>	<b>2.7</b>	<b>5</b>

**Area of Visual Contamination**

	<b>Tank 7</b>	<b>Tank 26</b>	<b>Tank 27</b>
(ftxft)	100 x 190	186 x 183	100 x 190
(sq ft)	19,000	34,038	19,000
(acres)	0.44	0.78	0.44

**Volume of Visual Contamination**

	<b>Tank 7</b>	<b>Tank 26</b>	<b>Tank 27</b>	<b>Total</b>
(cu ft)	5,304	7,659	7,917	20,879
(cu yds)	196	284	293	773

**Landfarm Design**

Volume Required (cu yds)	Contaminated Soil Cell Depth (in)	Calculated Surface Area (sq ft)	Calculated Surface Area (acres)	Cell Dimension – Square (ft)
773	18	13,920	0.32	118
1,000	18	18,000	0.41	135

# **Monthly Progress Report #10**

## **April 2005**

**Falcon Refinery Superfund Site**  
**Ingleside**  
**San Patricio County, Texas**  
**TXD 086 278 058**

**Prepared for**

**National Oil and Recovery Corporation**  
**3717 Bowne Street**  
**Flushing, NY 11354**

**May 10, 2005**

**Prepared by**

**BNC Engineering, LLC**  
**607 River Bend Drive**  
**Georgetown, Texas 78628**

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## **LIST OF APPENDICES**

None this reporting period



## **1.0 INTRODUCTION**

This tenth Monthly Progress Report is submitted in accordance with the Falcon Refinery Site Administrative Orders on Consent for Removal Action and Remedial Investigation / Feasibility Study between the U.S. Environmental Protection Agency (U.S. EPA) and National Oil and Recovery Corporation (NORCO).

This Monthly Progress Report and subsequent reports will address activities associated with both of the orders.

The next monthly progress report covering May, 2005 will be submitted on or before June 10, 2005.

## **2.0 COMPLETED ACTIVITIES**

### **2.1 Removal Action Activities**

Since activities are now being performed on a daily basis, each day begins with a safety meeting about general hazards and specific concerns of each day's anticipated actions.

Approximately 445,000 gallons of liquid waste were removed and properly disposed during the month from Tanks 26 and 27. Due to the number of shipments (an average of four each day) the manifests will not be included in these reports. The originals are available at the BNC office in Georgetown. A compilation of hazardous liquid waste disposal is included as Table 1.

Clearing and grubbing have been ongoing.

### **2.2 Remedial Investigation / Feasibility Study (RI/FS)**

Amendments to the RI/FS Work Plan, Quality Assurance Project Plan and Field Sampling Plan are being prepared. The amended reports will be provided to the EPA by May 5, 2005.

Interviews with neighbors to the Falcon Refinery that will be part of the work plan are addressed in Section 4.0 of this monthly progress report.

## **3.0 CHANGES MADE IN THE PLANS DURING THE REPORTING PERIOD**

None this reporting period.

## **4.0 COMMUNITY RELATIONS**

The project web site [www.falcon-refinery.com](http://www.falcon-refinery.com) is operational and available for review by the public. Included at the web site are links to all approved project documents, PowerPoint

presentations, contact information, site photographs, monthly progress reports and notifications of future meetings when they are announced.

NORCO personnel interviewed people that live adjacent to the North and South refinery sites to select sampling locations. During the interviews the neighbors provided information concerning a previously reported “oil filled sink hole”. It was determined that the sink hole was formed by a pipeline rupture (in 1985) from a pipeline that was not owned by NORCO or any former operator at the Falcon Refinery. The pipeline was owned by ARM Refining in 1985 and is currently owned by Plains Marketing. Photographic evidence of the spill or another spill that inundated the wetlands in 1985 can be found in Reference 58 of the document record, which is available in the Ingleside Library or at the project website.

During the community meeting for the project held on September 16, 2004, a neighbor to the North Site indicated that a sheen had been visible in the drainage ditch adjacent to her house. NORCO representatives contacted the neighbor for information that would assist in selecting sampling locations. The neighbor stated that the cause of the sheen wasn’t NORCO but instead was Plains Marketing. In the spring of 2004, to remove excess rainwater from inside the firewalls of their above ground storage tanks Plains Marketing was pumping water into the ditch along Bishop Road adjacent to the landowner’s house and onto NORCO property. NORCO has asked the EPA and TCEQ to investigate the discharge of water that contained a sheen.

## **5.0 CHANGES IN PERSONNEL DURING THE REPORTING PERIOD**

No changes to personnel were made during the month.

## **6.0 LIST OF PROJECTED WORK FOR THE NEXT TWO MONTHS**

### **6.1 Removal Action Work projected for the next two months includes:**

- Continuing the removal and disposal of liquids from the storage tanks and pipelines at the anticipated rate of approximately 500,000 gallons a month;
- Contracting a company to pig and evacuate the pipelines that leave the facility;
- Revising the Land Treatment Unit (LTU) proposal based on comments received from the EPA and TCEQ;
- Removal of debris;
- Continued site maintenance; and
- Demolition of some onsite structures.

**6.2 RI/FS Work projected for the next two months includes:**

- Conferring with the EPA and Trustees about the work plan;
- Making amendments to the RI/FS Work Plan and submitting the final RI/FS Work Plan; and
- Making amendments to and submitting the Field Sampling Plan and the Quality Assurance Project Plan.

**7.0 LABORATORY / MONITORING DATA**

None this reporting period.

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**TABLES****Table 1  
Hazardous Liquid Waste Disposal**

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
Texas Molecular Corpus Christi Services, LP	6901 Greenwood Dr Corpus Christi, TX	361-852-8284	TXR000001016	Robert Rodriguez

**RQ, HAZARDOUS WASTE LIQUID N.O.S., 9 , UN3082, III (D007, D008, D018)**

Month	Volume (gal)
October-04	53,832
November-04	734,763
December-04	879,158
January-05	783,881
February-05	551,444
March-05	565,489
April-05	445,107
<b>Total</b>	<b>4,013,674</b>

**Table 2  
Metal Disposal**

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
Commercial Metal Company	4614 Agnes St Corpus Christi, TX	361-884-4071	None	David

**RECYCLED METAL**

Month	Volume (lbs)
October-04	0
November-04	16,820
December-04	19,640
January-05	31,380
February-05	0
<b>Total</b>	<b>67,840</b>

**FIRE EXTINGUISHERS**

Month	Quantity
December-04	10
<b>Total</b>	<b>10</b>

Industrial Fire & Safety Co. removed 10 fire extinguishers from the job site.  
The powder was disposed of properly and the metal went to salvage.

**Table 3**  
**Contaminated Soil and Oily Debris Disposal**

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
U.S. Ecology Texas L.P.	P.O. Box 307 Robstown, TX	361-387-3518	TXD069452340	Glenda Felkner

**PETROLEUM CONTAMINATED SOIL AND OILY DEBRIS**

Month	Volume (cy)
October-04	0
November-04	0
December-04	40
January-05	0
February-05	0
<b>Total</b>	<b>40</b>

**RQ, HAZARDOUS WASTE SOLID, N.O.S., LEAD, 9 NA3077, PGIII (OILY SLUDGE AND SOIL)**

Month	Volume (cy)
February-05	15
<b>Total</b>	<b>15</b>

**Table 4**  
**Oil and Filter Disposal**

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
Texas Molecular Corpus Christi Services, LP	6901 Greenwood Dr Corpus Christi, TX	361-852-8284	TXR000001016	Robert Rodriguez

**RECYLCED OIL AND FILTERS**

Month	Volume (gal)
January-05	403
February-05	0
<b>Total</b>	<b>403</b>

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
Midstate Environmental Services, LLC	2203 Tower Road Robstown, TX	361-387-2171	TXR000051227	Lloyd Cooke

**RECYLCED OIL AND FILTERS**

Month	Volume (gal)
January-05	16,651
February-05	0
<b>Total</b>	<b>16,651</b>

**Table 5**  
**Visibly Contaminated Surface Soil**

Test Hole #	Tank 7 Visual Depth (in)	Tank 26 Visual Depth (in)	Tank 27 Visual Depth (in)
TH 1	4	4	2.5
TH 2	6	3	2.5
TH 3	3	3	8.5
TH 4	2	1.5	1
TH 5	5	4	7
TH 6	2	1	10
TH 7	3	4	3
TH 8	1	3	9
TH 9	2	1.5	5
TH 10	5.5	2	1.5
<b>AVG</b>	<b>3.35</b>	<b>2.7</b>	<b>5</b>

**Area of Visual Contamination**

	<b>Tank 7</b>	<b>Tank 26</b>	<b>Tank 27</b>
(ftxft)	100 x 190	186 x 183	100 x 190
(sq ft)	19,000	34,038	19,000
(acres)	0.44	0.78	0.44

**Volume of Visual Contamination**

	<b>Tank 7</b>	<b>Tank 26</b>	<b>Tank 27</b>	<b>Total</b>
(cu ft)	5,304	7,659	7,917	20,879
(cu yds)	196	284	293	773

**Landfarm Design**

Volume Required (cu yds)	Contaminated Soil Cell Depth (in)	Calculated Surface Area (sq ft)	Calculated Surface Area (acres)	Cell Dimension – Square (ft)
773	18	13,920	0.32	118
1,000	18	18,000	0.41	135

**Monthly Progress Report #11**  
**May 2005**

**Falcon Refinery Superfund Site**  
**Ingleside**  
**San Patricio County, Texas**  
**TXD 086 278 058**

**Prepared for**

**National Oil and Recovery Corporation**  
**3717 Bowne Street**  
**Flushing, NY 11354**

**June 10, 2005**

**Prepared by**

**BNC Engineering, LLC**  
**607 River Bend Drive**  
**Georgetown, Texas 78628**

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## **LIST OF APPENDICES**

None this reporting period



## **1.0 INTRODUCTION**

This eleventh Monthly Progress Report is submitted in accordance with the Falcon Refinery Site Administrative Orders on Consent for Removal Action and Remedial Investigation / Feasibility Study between the U.S. Environmental Protection Agency (U.S. EPA) and National Oil and Recovery Corporation (NORCO).

This Monthly Progress Report and subsequent reports will address activities associated with both of the orders.

The next monthly progress report covering June, 2005 will be submitted on or before July 10, 2005.

## **2.0 COMPLETED ACTIVITIES**

### **2.1 Removal Action Activities**

Since activities are now being performed on a daily basis, each day begins with a safety meeting about general hazards and specific concerns of each day's anticipated actions.

Approximately 471,000 gallons of liquid waste were removed and properly disposed during the month from Tanks 26 and 27. Due to the number of shipments (an average of four each day) the manifests will not be included in these reports. The originals are available at the BNC office in Georgetown. A compilation of hazardous liquid waste disposal is included as Table 1.

The drainage canal and associated culverts on the southeastern portion of the property were cleared to assist in site drainage.

Subcontractors were contacted to update project planning and budgeting.

### **2.2 Remedial Investigation / Feasibility Study (RI/FS)**

The amended RI/FS Workplan, Quality Assurance Project Plan, and Field Sampling Plan were provided to the EPA and the state and federal trustees on May 5, 2005.

Contacts were made with the TCEQ and RRC to determine if additional data is available concerning the ARM Refining spill into the adjacent wetlands.

## **3.0 CHANGES MADE IN THE PLANS DURING THE REPORTING PERIOD**

None this reporting period.

#### **4.0 COMMUNITY RELATIONS**

The project web site [www.falcon-refinery.com](http://www.falcon-refinery.com) is operational and available for review by the public. Included at the web site are links to all approved project documents, PowerPoint presentations, contact information, site photographs, monthly progress reports and notifications of future meetings when they are announced.

#### **5.0 CHANGES IN PERSONNEL DURING THE REPORTING PERIOD**

No changes to personnel were made during the month.

#### **6.0 LIST OF PROJECTED WORK FOR THE NEXT TWO MONTHS**

##### **6.1 Removal Action Work projected for the next two months includes:**

- Continuing the removal and disposal of liquids from the storage tanks and pipelines at the anticipated rate of approximately 500,000 gallons a month;
- Contracting a company to pig and evacuate the pipelines that leave the facility;
- Revising the Land Treatment Unit (LTU) proposal based on comments received from the EPA and TCEQ;
- Removal of debris;
- Continued site maintenance; and
- Demolition of some onsite structures.

##### **6.2 RI/FS Work projected for the next two months includes:**

- Conferring with the EPA and Trustees about the work plan;
- Making amendments to the RI/FS Work Plan and submitting the final RI/FS Work Plan; and
- Making amendments to and submitting the Field Sampling Plan and the Quality Assurance Project Plan.

#### **7.0 LABORATORY / MONITORING DATA**

None this reporting period.

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**TABLES**

**Table 1**  
**Hazardous Liquid Waste Disposal**

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
Texas Molecular Corpus Christi Services, LP	6901 Greenwood Dr Corpus Christi, TX	361-852-8284	TXR000001016	Robert Rodriguez

**RQ, HAZARDOUS WASTE LIQUID N.O.S., 9 , UN3082, III (D007, D008, D018)**

Month	Volume (gal)
October-04	53,832
November-04	734,763
December-04	879,158
January-05	783,881
February-05	551,444
March-05	565,489
April-05	445,107
May-05	471,311
<b>Total</b>	<b>4,484,985</b>

**Table 2**  
**Metal Disposal**

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
Commercial Metal Company	4614 Agnes St Corpus Christi, TX	361-884-4071	None	David

**RECYCLED METAL**

Month	Volume (lbs)
October-04	0
November-04	16,820
December-04	19,640
January-05	31,380
February-05	0
<b>Total</b>	<b>67,840</b>

**FIRE EXTINGUISHERS**

Month	Quantity
December-04	10
<b>Total</b>	<b>10</b>

Industrial Fire & Safety Co. removed 10 fire extinguishers from the job site.  
The powder was disposed of properly and the metal went to salvage.

**Table 3**  
**Contaminated Soil and Oily Debris Disposal**

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
U.S. Ecology Texas L.P.	P.O. Box 307 Robstown, TX	361-387-3518	TXD069452340	Glenda Felkner

**PETROLEUM CONTAMINATED SOIL AND OILY DEBRIS**

Month	Volume (cy)
October-04	0
November-04	0
December-04	40
January-05	0
February-05	0
<b>Total</b>	<b>40</b>

**RQ, HAZARDOUS WASTE SOLID, N.O.S., LEAD, 9 NA3077, PGIII (OILY SLUDGE AND SOIL)**

Month	Volume (cy)
February-05	15
<b>Total</b>	<b>15</b>

**Table 4**  
**Oil and Filter Disposal**

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
Texas Molecular Corpus Christi Services, LP	6901 Greenwood Dr Corpus Christi, TX	361-852-8284	TXR000001016	Robert Rodriguez

**RECYLCED OIL AND FILTERS**

Month	Volume (gal)
January-05	403
February-05	0
<b>Total</b>	<b>403</b>

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
Midstate Environmental Services, LLC	2203 Tower Road Robstown, TX	361-387-2171	TXR000051227	Lloyd Cooke

**RECYLCED OIL AND FILTERS**

Month	Volume (gal)
January-05	16,651
February-05	0
<b>Total</b>	<b>16,651</b>

# **Monthly Progress Report #12**

## **June 2005**

**Falcon Refinery Superfund Site**  
**Ingleside**  
**San Patricio County, Texas**  
**TXD 086 278 058**

**Prepared for**

**National Oil and Recovery Corporation**  
**3717 Bowne Street**  
**Flushing, NY 11354**

**July 10, 2005**

**Prepared by**

**BNC Engineering, LLC**  
**607 River Bend Drive**  
**Georgetown, Texas 78628**

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## **LIST OF APPENDICES**

None this reporting period

## **1.0 INTRODUCTION**

This twelvth Monthly Progress Report is submitted in accordance with the Falcon Refinery Site Administrative Orders on Consent for Removal Action and Remedial Investigation / Feasibility Study between the U.S. Environmental Protection Agency (U.S. EPA) and National Oil and Recovery Corporation (NORCO).

This Monthly Progress Report and subsequent reports will address activities associated with both of the orders.

The next monthly progress report covering July, 2005 will be submitted on or before August 10, 2005.

## **2.0 COMPLETED ACTIVITIES**

### **2.1 Removal Action Activities**

Due to the pending sale of the Site, activities have included coordination of future activities with the purchaser and developing amended reports for submission to the EPA including the Site Safety Plan, Removal Action Work Plan, Removal Action Field Sampling Plan and the Quality Management Plan to reflect the change in contractor to Kleinfelder.

Subcontractors were contacted to update project planning and budgeting.

### **2.2 Remedial Investigation / Feasibility Study (RI/FS)**

The amended RI/FS Work Plan, Quality Assurance Project Plan, and Field Sampling Plan were provided to the EPA and the state and federal trustees on May 5, 2005.

## **3.0 CHANGES MADE IN THE PLANS DURING THE REPORTING PERIOD**

None this reporting period.

#### **4.0 COMMUNITY RELATIONS**

The project web site [www.falcon-refinery.com](http://www.falcon-refinery.com) is operational and available for review by the public. Included at the web site are links to all approved project documents, PowerPoint presentations, contact information, site photographs, monthly progress reports and notifications of future meetings when they are announced.

#### **5.0 CHANGES IN PERSONNEL DURING THE REPORTING PERIOD**

No changes to personnel were made during the month. When the amended work plans are approved, Kleinfelder employee names and responsibilities will be provided.

#### **6.0 LIST OF PROJECTED WORK FOR THE NEXT TWO MONTHS**

##### **6.1 Removal Action Work projected for the next two months includes:**

- Continuing the removal and disposal of liquids from the storage tanks and pipelines at the anticipated rate of approximately 500,000 gallons a month;
- Contracting a company to pig and evacuate the pipelines that leave the facility;
- Revising the Land Treatment Unit (LTU) proposal based on comments received from the EPA and TCEQ;
- Removal of debris;
- Continued site maintenance; and
- Demolition of some onsite structures.

##### **6.2 RI/FS Work projected for the next two months includes:**

- Conferring with the EPA and Trustees about the work plan;
- Making amendments to the RI/FS Work Plan and submitting the final RI/FS Work Plan; and
- Making amendments to and submitting the Field Sampling Plan and the Quality Assurance Project Plan.

#### **7.0 LABORATORY / MONITORING DATA**

None this reporting period.



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**TABLES****Table 1  
Hazardous Liquid Waste Disposal**

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
Texas Molecular Corpus Christi Services, LP	6901 Greenwood Dr Corpus Christi, TX	361-852-8284	TXR000001016	Robert Rodriguez

**RQ, HAZARDOUS WASTE LIQUID N.O.S., 9 , UN3082, III (D007, D008, D018)**

Month	Volume (gal)
October-04	53,832
November-04	734,763
December-04	879,158
January-05	783,881
February-05	551,444
March-05	565,489
April-05	445,107
May-05	471,311
<b>Total</b>	<b>4,484,985</b>

**Table 2  
Metal Disposal**

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
Commercial Metal Company	4614 Agnes St Corpus Christi, TX	361-884-4071	None	David

**RECYCLED METAL**

Month	Volume (lbs)
October-04	0
November-04	16,820
December-04	19,640
January-05	31,380
February-05	0
<b>Total</b>	<b>67,840</b>

**FIRE EXTINGUISHERS**

Month	Quantity
December-04	10
<b>Total</b>	<b>10</b>

Industrial Fire & Safety Co. removed 10 fire extinguishers from the job site.  
The powder was disposed of properly and the metal went to salvage.

**Table 3**  
**Contaminated Soil and Oily Debris Disposal**

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
U.S. Ecology Texas L.P.	P.O. Box 307 Robstown, TX	361-387-3518	TXD069452340	Glenda Felkner

**PETROLEUM CONTAMINATED SOIL AND OILY DEBRIS**

Month	Volume (cy)
October-04	0
November-04	0
December-04	40
January-05	0
February-05	0
<b>Total</b>	<b>40</b>

**RQ, HAZARDOUS WASTE SOLID, N.O.S., LEAD, 9 NA3077, PGIII (OILY SLUDGE AND SOIL)**

Month	Volume (cy)
February-05	15
<b>Total</b>	<b>15</b>

**Table 4**  
**Oil and Filter Disposal**

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
Texas Molecular Corpus Christi Services, LP	6901 Greenwood Dr Corpus Christi, TX	361-852-8284	TXR000001016	Robert Rodriguez

**RECYLCED OIL AND FILTERS**

Month	Volume (gal)
January-05	403
February-05	0
<b>Total</b>	<b>403</b>

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
Midstate Environmental Services, LLC	2203 Tower Road Robstown, TX	361-387-2171	TXR000051227	Lloyd Cooke

**RECYLCED OIL AND FILTERS**

Month	Volume (gal)
January-05	16,651
February-05	0
<b>Total</b>	<b>16,651</b>

# **Monthly Progress Report #13 July 2005**

**Falcon Refinery Superfund Site  
Ingleside  
San Patricio County, Texas  
TXD 086 278 058**

**Prepared for**

**National Oil and Recovery Corporation  
3717 Bowne Street  
Flushing, NY 11354**

**August 10, 2005**

**Prepared by**

**Kleinfelder  
3601 Manor Road  
Austin, Texas 78723**

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## LIST OF APPENDICES

None this reporting period

## **1.0 INTRODUCTION**

This thirteenth Monthly Progress Report is submitted in accordance with the Falcon Refinery Site Administrative Orders on Consent for Removal Action and Remedial Investigation / Feasibility Study between the U.S. Environmental Protection Agency (U.S. EPA) and National Oil and Recovery Corporation (NORCO).

This Monthly Progress Report and subsequent reports will address activities associated with both of the orders.

The next monthly progress report covering August, 2005 will be submitted on or before September 10, 2005.

## **2.0 COMPLETED ACTIVITIES**

### **2.1 Removal Action Activities**

Due to the pending sale of the Site, activities have included coordination of future activities with the purchaser and developing amended reports for submission to the EPA including the Site Safety Plan, Removal Action Work Plan, Removal Action Field Sampling Plan and the Quality Management Plan to reflect the change in contractor to Kleinfelder.

Subcontractors were contacted to update project planning and budgeting.

### **2.2 Remedial Investigation / Feasibility Study (RI/FS)**

The amended RI/FS Work Plan, Quality Assurance Project Plan, and Field Sampling Plan were provided to the EPA and the state and federal trustees on May 5, 2005.

### **3.0 CHANGES MADE IN THE PLANS DURING THE REPORTING PERIOD**

None this reporting period.

### **4.0 COMMUNITY RELATIONS**

The project web site [www.falcon-refinery.com](http://www.falcon-refinery.com) is operational and available for review by the public. Included at the web site are links to all approved project documents, PowerPoint presentations, contact information, site photographs, monthly progress reports and notifications of future meetings when they are announced.

### **5.0 CHANGES IN PERSONNEL DURING THE REPORTING PERIOD**

No changes to personnel were made during the month. When the amended work plans are approved, Kleinfelder employee names and responsibilities will be provided.

### **6.0 LIST OF PROJECTED WORK FOR THE NEXT TWO MONTHS**

#### **6.1 Removal Action Work projected for the next two months includes:**

- Continuing the removal and disposal of liquids from the storage tanks and pipelines at the anticipated rate of approximately 500,000 gallons a month;
- Contracting a company to pig and evacuate the pipelines that leave the facility;
- Revising the Land Treatment Unit (LTU) proposal based on comments received from the EPA and TCEQ;
- Removal of debris;
- Continued site maintenance; and
- Demolition of some onsite structures.

**6.2 RI/FS Work projected for the next two months includes:**

- Conferring with the EPA and Trustees about the work plan;
- Making amendments to the RI/FS Work Plan and submitting the final RI/FS Work Plan; and
- Making amendments to and submitting the Field Sampling Plan and the Quality Assurance Project Plan.

**7.0 LABORATORY / MONITORING DATA**

None this reporting period.

**TABLES****Table 1  
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**Table 2  
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**RECYCLED METAL**

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January-05	31,380
February-05	0
<b>Total</b>	<b>67,840</b>

**FIRE EXTINGUISHERS**

Month	Quantity
December-04	10
<b>Total</b>	<b>10</b>

Industrial Fire & Safety Co. removed 10 fire extinguishers from the job site.

The powder was disposed of properly and the metal went to salvage.



**Table 3**  
**Contaminated Soil and Oily Debris Disposal**

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
U.S. Ecology Texas L.P.	P.O. Box 307 Robstown, TX	361-387-3518	TXD069452340	Glenda Felkner

**PETROLEUM CONTAMINATED SOIL AND OILY DEBRIS**

Month	Volume (cy)
October-04	0
November-04	0
December-04	40
January-05	0
February-05	0
<b>Total</b>	<b>40</b>

**RQ, HAZARDOUS WASTE SOLID, N.O.S., LEAD, 9 NA3077, PGIII (OILY SLUDGE AND SOIL)**

Month	Volume (cy)
February-05	15
<b>Total</b>	<b>15</b>

**Table 4**  
**Oil and Filter Disposal**

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
Texas Molecular Corpus Christi Services, LP	6901 Greenwood Dr Corpus Christi, TX	361-852-8284	TXR000001016	Robert Rodriguez

**RECYLCED OIL AND FILTERS**

Month	Volume (gal)
January-05	403
February-05	0
<b>Total</b>	<b>403</b>

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
Midstate Environmental Services, LLC	2203 Tower Road Robstown, TX	361-387-2171	TXR000051227	Lloyd Cooke

**RECYLCED OIL AND FILTERS**

Month	Volume (gal)
January-05	16,651
February-05	0
<b>Total</b>	<b>16,651</b>

**Monthly Progress Report #14  
August 2005**

**Falcon Refinery Superfund Site  
Ingleside  
San Patricio County, Texas  
TXD 086 278 058**

**Prepared for**

**National Oil and Recovery Corporation  
3717 Bowne Street  
Flushing, NY 11354**

**September 10, 2005**

**Prepared by**

**KLEINFELDER  
3601 Manor Road  
Austin, Texas 78723**

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## LIST OF APPENDICES

None this reporting period

## **1.0 INTRODUCTION**

This fourteenth Monthly Progress Report is submitted in accordance with the Falcon Refinery Site Administrative Orders on Consent for Removal Action and Remedial Investigation / Feasibility Study between the U.S. Environmental Protection Agency (U.S. EPA) and National Oil and Recovery Corporation (NORCO).

This Monthly Progress Report and subsequent reports will address activities associated with both of the orders.

The next monthly progress report covering September, 2005 will be submitted on or before October 10, 2005.

## **2.0 COMPLETED ACTIVITIES**

### **2.1 Removal Action Activities**

Due to the pending sale of the Site, activities have included coordination of future activities with the purchaser and developing amended reports for submission to the EPA including the Site Safety Plan, Removal Action Work Plan, Removal Action Field Sampling Plan and the Quality Management Plan to reflect the change in contractor to Kleinfelder.

Subcontractors were contacted to update project planning and budgeting.

### **2.2 Remedial Investigation / Feasibility Study (RI/FS)**

The amended RI/FS Work Plan, Quality Assurance Project Plan, and Field Sampling Plan were provided to the EPA and the state and federal trustees on May 5, 2005.

## **3.0 CHANGES MADE IN THE PLANS DURING THE REPORTING PERIOD**

None this reporting period.

#### **4.0 COMMUNITY RELATIONS**

The project web site [www.falcon-refinery.com](http://www.falcon-refinery.com) is operational and available for review by the public. Included at the web site are links to all approved project documents, PowerPoint presentations, contact information, site photographs, monthly progress reports and notifications of future meetings when they are announced.

The EPA had notified NORCO that they will be developing and mailing a project update to the community.

#### **5.0 CHANGES IN PERSONNEL DURING THE REPORTING PERIOD**

No changes to personnel were made during the month. When the amended work plans are approved, Kleinfelder employee names and responsibilities will be provided.

#### **6.0 LIST OF PROJECTED WORK FOR THE NEXT TWO MONTHS**

##### **6.1 Removal Action Work projected for the next two months includes:**

- Continuing the removal and disposal of liquids from the storage tanks and pipelines at the anticipated rate of approximately 500,000 gallons a month;
- Contracting a company to pig and evacuate the pipelines that leave the facility;
- Revising the Land Treatment Unit (LTU) proposal based on comments received from the EPA and TCEQ;
- Removal of debris;
- Continued site maintenance; and
- Demolition of some onsite structures.

##### **6.2 RI/FS Work projected for the next two months includes:**

- Conferring with the EPA and Trustees about the work plan;
- Making amendments to the RI/FS Work Plan and submitting the final RI/FS Work Plan; and
- Making amendments to and submitting the Field Sampling Plan and the Quality Assurance Project Plan.

#### **7.0 LABORATORY / MONITORING DATA**

None this reporting period.

## TABLES

**Table 1**  
**Hazardous Liquid Waste Disposal**

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
Texas Molecular Corpus Christi Services, LP	6901 Greenwood Dr Corpus Christi, TX	361-852-8284	TXR000001016	Robert Rodriguez

**RQ, HAZARDOUS WASTE LIQUID N.O.S., 9 , UN3082, III (D007, D008, D018)**

Month	Volume (gal)
October-04	53,832
November-04	734,763
December-04	879,158
January-05	783,881
February-05	551,444
March-05	565,489
April-05	445,107
May-05	471,311
<b>Total</b>	<b>4,484,985</b>

**Table 2**  
**Metal Disposal**

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
Commercial Metal Company	4614 Agnes St Corpus Christi, TX	361-884-4071	None	David

### RECYCLED METAL

Month	Volume (lbs)
October-04	0
November-04	16,820
December-04	19,640
January-05	31,380
February-05	0
<b>Total</b>	<b>67,840</b>

### FIRE EXTINGUISHERS

Month	Quantity
December-04	10
<b>Total</b>	<b>10</b>

Industrial Fire & Safety Co. removed 10 fire extinguishers from the job site.  
 The powder was disposed of properly and the metal went to salvage.

**Table 3**  
**Contaminated Soil and Oily Debris Disposal**

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
U.S. Ecology Texas L.P.	P.O. Box 307 Robstown, TX	361-387-3518	TXD069452340	Glenda Felkner

**PETROLEUM CONTAMINATED SOIL AND OILY DEBRIS**

Month	Volume (cy)
October-04	0
November-04	0
December-04	40
January-05	0
February-05	0
<b>Total</b>	<b>40</b>

**RQ, HAZARDOUS WASTE SOLID, N.O.S., LEAD, 9 NA3077, PGIII (OILY SLUDGE AND SOIL)**

Month	Volume (cy)
February-05	15
<b>Total</b>	<b>15</b>

**Table 4**  
**Oil and Filter Disposal**

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
Texas Molecular Corpus Christi Services, LP	6901 Greenwood Dr Corpus Christi, TX	361-852-8284	TXR000001016	Robert Rodriguez

**RECYLCED OIL AND FILTERS**

Month	Volume (gal)
January-05	403
February-05	0
<b>Total</b>	<b>403</b>

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
Midstate Environmental Services, LLC	2203 Tower Road Robstown, TX	361-387-2171	TXR000051227	Lloyd Cooke

**RECYLCED OIL AND FILTERS**

Month	Volume (gal)
January-05	16,651
February-05	0
<b>Total</b>	<b>16,651</b>

# **Monthly Progress Report #15**

## **September 2005**

**Falcon Refinery Superfund Site**  
**Ingleside**  
**San Patricio County, Texas**  
**TXD 086 278 058**

**Prepared for**

**National Oil and Recovery Corporation**  
**3717 Bowne Street**  
**Flushing, NY 11354**

**October 10, 2005**

**Prepared by**

**KLEINFELDER**  
**3601 Manor Road**  
**Austin, Texas 78723**



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## LIST OF APPENDICES

None this reporting period

## **1.0 INTRODUCTION**

This fifteenth Monthly Progress Report is submitted in accordance with the Falcon Refinery Site Administrative Orders on Consent for Removal Action and Remedial Investigation / Feasibility Study between the U.S. Environmental Protection Agency (U.S. EPA) and National Oil and Recovery Corporation (NORCO).

This Monthly Progress Report and subsequent reports will address activities associated with both of the orders.

The next monthly progress report, covering October 2005 will be submitted on or before November 10, 2005.

## **2.0 COMPLETED ACTIVITIES**

### **2.1 Removal Action Activities**

Due to the pending sale of the Site, activities have included coordination of future activities with the purchaser and developing amended reports for submission to the EPA including the Site Safety Plan, Removal Action Work Plan, Removal Action Field Sampling Plan and the Quality Management Plan to reflect the change in contractor to Kleinfelder.

Subcontractors were contacted to update project planning and budgeting.

### **2.2 Remedial Investigation / Feasibility Study (RI/FS)**

The amended RI/FS Work Plan, Quality Assurance Project Plan, and Field Sampling Plan were provided to the EPA and the state and federal trustees on May 5, 2005.

## **3.0 CHANGES MADE IN THE PLANS DURING THE REPORTING PERIOD**

None this reporting period.

#### **4.0 COMMUNITY RELATIONS**

The project web site [www.falcon-refinery.com](http://www.falcon-refinery.com) is operational and available for review by the public. Included at the web site are links to all approved project documents, PowerPoint presentations, contact information, site photographs, monthly progress reports and notifications of future meetings when they are announced.

The EPA had notified NORCO that they will be developing and mailing a project update to the community.

#### **5.0 CHANGES IN PERSONNEL DURING THE REPORTING PERIOD**

No changes to personnel were made during the month. When the amended work plans are approved, Kleinfelder employee names and responsibilities will be provided.

#### **6.0 LIST OF PROJECTED WORK FOR THE NEXT TWO MONTHS**

##### **6.1 Removal Action Work projected for the next two months includes:**

- Continuing the removal and disposal of liquids from the storage tanks and pipelines at the anticipated rate of approximately 500,000 gallons a month;
- Contracting a company to pig and evacuate the pipelines that leave the facility;
- Revising the Land Treatment Unit (LTU) proposal based on comments received from the EPA and TCEQ;
- Removal of debris;
- Continued site maintenance; and
- Demolition of some onsite structures.

##### **6.2 RI/FS Work projected for the next two months includes:**

- Conferring with the EPA and Trustees about the work plan;
- Making amendments to the RI/FS Work Plan and submitting the final RI/FS Work Plan; and
- Making amendments to and submitting the Field Sampling Plan and the Quality Assurance Project Plan.

#### **7.0 LABORATORY / MONITORING DATA**

None this reporting period.

## TABLES

**Table 1**  
**Hazardous Liquid Waste Disposal**

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
Texas Molecular Corpus Christi Services, LP	6901 Greenwood Dr Corpus Christi, TX	361-852-8284	TXR000001016	Robert Rodriguez

**RQ, HAZARDOUS WASTE LIQUID N.O.S., 9 , UN3082, III (D007, D008, D018)**

Month	Volume (gal)
October-04	53,832
November-04	734,763
December-04	879,158
January-05	783,881
February-05	551,444
March-05	565,489
April-05	445,107
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<b>Total</b>	<b>4,484,985</b>

**Table 2**  
**Metal Disposal**

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
Commercial Metal Company	4614 Agnes St Corpus Christi, TX	361-884-4071	None	David

**RECYCLED METAL**

Month	Volume (lbs)
October-04	0
November-04	16,820
December-04	19,640
January-05	31,380
February-05	0
<b>Total</b>	<b>67,840</b>

**FIRE EXTINGUISHERS**

Month	Quantity
December-04	10
<b>Total</b>	<b>10</b>

Industrial Fire & Safety Co. removed 10 fire extinguishers from the job site.  
 The powder was disposed of properly and the metal went to salvage.

**Table 3**  
**Contaminated Soil and Oily Debris Disposal**

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
U.S. Ecology Texas L.P.	P.O. Box 307 Robstown, TX	361-387-3518	TXD069452340	Glenda Felkner

**PETROLEUM CONTAMINATED SOIL AND OILY DEBRIS**

Month	Volume (cy)
October-04	0
November-04	0
December-04	40
January-05	0
February-05	0
<b>Total</b>	<b>40</b>

**RQ, HAZARDOUS WASTE SOLID, N.O.S., LEAD, 9 NA3077, PGIII (OILY SLUDGE AND SOIL)**

Month	Volume (cy)
February-05	15
<b>Total</b>	<b>15</b>

**Table 4**  
**Oil and Filter Disposal**

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
Texas Molecular Corpus Christi Services, LP	6901 Greenwood Dr Corpus Christi, TX	361-852-8284	TXR000001016	Robert Rodriguez

**RECYLCED OIL AND FILTERS**

Month	Volume (gal)
January-05	403
February-05	0
<b>Total</b>	<b>403</b>

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
Midstate Environmental Services, LLC	2203 Tower Road Robstown, TX	361-387-2171	TXR000051227	Lloyd Cooke

**RECYLCED OIL AND FILTERS**

Month	Volume (gal)
January-05	16,651
February-05	0
<b>Total</b>	<b>16,651</b>

**Monthly Progress Report #16**  
**October 2005**

**Falcon Refinery Superfund Site**  
**Ingleside**  
**San Patricio County, Texas**  
**TXD 086 278 058**

**Prepared for**

**National Oil and Recovery Corporation**  
**3717 Bowne Street**  
**Flushing, NY 11354**

**November 10, 2005**

**Prepared by**

**KLEINFELDER**  
**3601 Manor Road**  
**Austin, Texas 78723**

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## LIST OF APPENDICES

None this reporting period

## **1.0 INTRODUCTION**

This sixteenth Monthly Progress Report is submitted in accordance with the Falcon Refinery Site Administrative Orders on Consent for Removal Action and Remedial Investigation / Feasibility Study between the U.S. Environmental Protection Agency (U.S. EPA) and National Oil and Recovery Corporation (NORCO).

This Monthly Progress Report and subsequent reports will address activities associated with both of the orders.

The next monthly progress report, covering November 2005 will be submitted on or before December 10, 2005.

## **2.0 COMPLETED ACTIVITIES**

### **2.1 Removal Action Activities**

Due to the pending sale of the Site, activities have included coordination of future activities with the purchaser and developing amended reports for submission to the EPA including the Site Safety Plan, Removal Action Work Plan, Removal Action Field Sampling Plan and the Quality Management Plan to reflect the change in contractor to Kleinfelder.

Subcontractors were contacted to update project planning and budgeting.

### **2.2 Remedial Investigation / Feasibility Study (RI/FS)**

The amended RI/FS Work Plan, Quality Assurance Project Plan, and Field Sampling Plan were provided to the EPA and the state and federal trustees on May 5, 2005.

## **3.0 CHANGES MADE IN THE PLANS DURING THE REPORTING PERIOD**

None this reporting period.



#### **4.0 COMMUNITY RELATIONS**

On 10/20/05 at 2:30pm, Rafael Casanova (EPA), Stephen Halasz (Falcon Project Manager), and Michael Boozer (Kleinfelder), met with Judge Terry Simpson (San Patricio County Judge), and Ski Zagorski (San Patricio County Safety Director). The purpose of the meeting was to provide the county officials with an update on the removal and remedial activities at the Site. Rafael provided an update on the remedial activities. Stephen provided an update on the removal activities. Judge Simpson discussed a draft plan designed to streamline how county environmental and public health issues are investigated and resolved. Judge Simpson and Mr. Zagorski thanked us for the update.

On 10/21/05 at 8:00am, Rafael Casanova (EPA), Stephen Halasz (Falcon Project Manager), and Michael Boozer (Kleinfelder), met with Jim Price (San Patricio County Commissioner). The purpose of the meeting was to provide the county official with an update on the removal and remedial activities at the Site. Rafael provided an update on the remedial activities. Stephen provided an update on the removal activities. The commissioner was concerned about the length of time to complete the removal action. The EPA informed him that we had requested a schedule from NORCO for completion of the removal action. The commissioner thanked us for the update.

The project web site [www.falcon-refinery.com](http://www.falcon-refinery.com) is operational and available for review by the public. Included at the web site are links to all approved project documents, PowerPoint presentations, contact information, site photographs, monthly progress reports and notifications of future meetings when they are announced.

The EPA has developed and is mailing a project update to the community.

#### **5.0 CHANGES IN PERSONNEL DURING THE REPORTING PERIOD**

No changes to personnel were made during the month. When the amended work plans are approved, Kleinfelder employee names and responsibilities will be provided.

#### **6.0 LIST OF PROJECTED WORK FOR THE NEXT TWO MONTHS**

##### **6.1 Removal Action Work projected for the next two months includes:**

- Continuing the removal and disposal of liquids from the storage tanks and pipelines at the anticipated rate of approximately 500,000 gallons a month;
- Contracting a company to pig and evacuate the pipelines that leave the facility;
- Revising the Land Treatment Unit (LTU) proposal based on comments received from the EPA and TCEQ;
- Removal of debris;

- Continued site maintenance; and
- Demolition of some onsite structures.

**6.2 RI/FS Work projected for the next two months includes:**

- Conferring with the EPA and Trustees about the work plan;
- Making amendments to the RI/FS Work Plan and submitting the final RI/FS Work Plan; and
- Making amendments to and submitting the Field Sampling Plan and the Quality Assurance Project Plan.

**7.0 LABORATORY / MONITORING DATA**

None this reporting period.

**TABLES**

**Table 1  
 Hazardous Liquid Waste Disposal**

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
Texas Molecular Corpus Christi Services, LP	6901 Greenwood Dr Corpus Christi, TX	361-852-8284	TXR000001016	Robert Rodriguez

**RQ, HAZARDOUS WASTE LIQUID N.O.S., 9 , UN3082, III (D007, D008, D018)**

Month	Volume (gal)
October-04	53,832
November-04	734,763
December-04	879,158
January-05	783,881
February-05	551,444
March-05	565,489
April-05	445,107
May-05	471,311
<b>Total</b>	<b>4,484,985</b>

**Table 2**  
**Metal Disposal**

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
Commercial Metal Company	4614 Agnes St Corpus Christi, TX	361-884-4071	None	David

**RECYCLED METAL**

Month	Volume (lbs)
October-04	0
November-04	16,820
December-04	19,640
January-05	31,380
February-05	0
<b>Total</b>	<b>67,840</b>

**FIRE EXTINGUISHERS**

Month	Quantity
December-04	10
<b>Total</b>	<b>10</b>

Industrial Fire & Safety Co. removed 10 fire extinguishers from the job site.  
 The powder was disposed of properly and the metal went to salvage.

**Table 3**  
**Contaminated Soil and Oily Debris Disposal**

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
U.S. Ecology Texas L.P.	P.O. Box 307 Robstown, TX	361-387-3518	TXD069452340	Glenda Felkner

**PETROLEUM CONTAMINATED SOIL AND OILY DEBRIS**

Month	Volume (cy)
October-04	0
November-04	0
December-04	40
January-05	0
February-05	0
<b>Total</b>	<b>40</b>

**RQ, HAZARDOUS WASTE SOLID, N.O.S., LEAD, 9 NA3077, PGIII (OILY SLUDGE AND SOIL)**

Month	Volume (cy)
February-05	15
<b>Total</b>	<b>15</b>

**Table 4**  
**Oil and Filter Disposal**

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
Texas Molecular Corpus Christi Services, LP	6901 Greenwood Dr Corpus Christi, TX	361-852-8284	TXR000001016	Robert Rodriguez

**RECYLCED OIL AND FILTERS**

Month	Volume (gal)
January-05	403
February-05	0
<b>Total</b>	<b>403</b>

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
Midstate Environmental Services, LLC	2203 Tower Road Robstown, TX	361-387-2171	TXR000051227	Lloyd Cooke

**RECYLCED OIL AND FILTERS**

Month	Volume (gal)
January-05	16,651
February-05	0
<b>Total</b>	<b>16,651</b>

**Monthly Progress Report #17**  
**November 2005**

**Falcon Refinery Superfund Site**  
**Ingleside**  
**San Patricio County, Texas**  
**TXD 086 278 058**

**Prepared for**

**National Oil and Recovery Corporation**  
**3717 Bowne Street**  
**Flushing, NY 11354**

**December 10, 2005**

**Prepared by**

**KLEINFELDER**  
**3601 Manor Road**  
**Austin, Texas 78723**

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## LIST OF FIGURES

None this reporting period

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Table 2	Metal Disposal.....	4
Table 3	Contaminated Soil and Oily Debris Disposal.....	5
Table 4	Oil and Filter Disposal.....	5

## LIST OF APPENDICES

None this reporting period

## **1.0 INTRODUCTION**

This seventeenth Monthly Progress Report is submitted in accordance with the Falcon Refinery Site Administrative Orders on Consent for Removal Action and Remedial Investigation / Feasibility Study between the U.S. Environmental Protection Agency (U.S. EPA) and National Oil and Recovery Corporation (NORCO).

This Monthly Progress Report and subsequent reports will address activities associated with both of the orders.

The next monthly progress report, covering December 2005 will be submitted on or before January 10, 2006.

## **2.0 COMPLETED ACTIVITIES**

### **2.1 Removal Action Activities**

Due to the pending sale of the Site, activities have included coordination of future activities with the purchaser and developing amended reports for submission to the EPA including the Site Safety Plan, Removal Action Work Plan, Removal Action Field Sampling Plan and the Quality Management Plan to reflect the change in contractor to Kleinfelder.

Subcontractors were contacted to update project planning and budgeting.

### **2.2 Remedial Investigation / Feasibility Study (RI/FS)**

The amended RI/FS Work Plan, Quality Assurance Project Plan, and Field Sampling Plan were provided to the EPA and the state and federal trustees on May 5, 2005.

## **3.0 CHANGES MADE IN THE PLANS DURING THE REPORTING PERIOD**

None this reporting period.

#### **4.0 COMMUNITY RELATIONS**

The EPA developed and mailed out a project update to the community.

The project web site [www.falcon-refinery.com](http://www.falcon-refinery.com) is operational and available for review by the public. Included at the web site are links to all approved project documents, PowerPoint presentations, contact information, site photographs, monthly progress reports and notifications of future meetings when they are announced.

#### **5.0 CHANGES IN PERSONNEL DURING THE REPORTING PERIOD**

Michael Boozer (PG) has been designated as the on-site manager.

#### **6.0 LIST OF PROJECTED WORK FOR THE NEXT TWO MONTHS**

##### **6.1 Removal Action Work projected for the next two months includes:**

- Continuing the removal and disposal of liquids from the storage tanks and pipelines at the anticipated rate of approximately 60,000 gallons a month;
- Contracting a company to pig and evacuate the pipelines that leave the facility;
- Revising the Land Treatment Unit (LTU) proposal based on comments received from the EPA and TCEQ;
- Removal of debris; and
- Continued site maintenance.

##### **6.2 RI/FS Work projected for the next two months includes:**

- Conferring with the EPA and Trustees about the work plan;
- Making amendments to the RI/FS Work Plan and submitting the final RI/FS Work Plan; and
- Making amendments to and submitting the Field Sampling Plan and the Quality Assurance Project Plan.

#### **7.0 LABORATORY / MONITORING DATA**

None this reporting period.



## TABLES

**Table 1  
 Hazardous Liquid Waste Disposal**

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
Texas Molecular Corpus Christi Services, LP	6901 Greenwood Dr Corpus Christi, TX	361-852-8284	TXR000001016	Robert Rodriguez

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January-05	31,380
February-05	0
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Month	Quantity
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The powder was disposed of properly and the metal went to salvage.

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**Contaminated Soil and Oily Debris Disposal**

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
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**PETROLEUM CONTAMINATED SOIL AND OILY DEBRIS**

Month	Volume (cy)
October-04	0
November-04	0
December-04	40
January-05	0
February-05	0
<b>Total</b>	<b>40</b>

**RQ, HAZARDOUS WASTE SOLID, N.O.S., LEAD, 9 NA3077, PGIII (OILY SLUDGE AND SOIL)**

Month	Volume (cy)
February-05	15
<b>Total</b>	<b>15</b>

**Table 4**  
**Oil and Filter Disposal**

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
Texas Molecular Corpus Christi Services, LP	6901 Greenwood Dr Corpus Christi, TX	361-852-8284	TXR000001016	Robert Rodriguez

**RECYLCED OIL AND FILTERS**

Month	Volume (gal)
January-05	403
February-05	0
<b>Total</b>	<b>403</b>

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
Midstate Environmental Services, LLC	2203 Tower Road Robstown, TX	361-387-2171	TXR000051227	Lloyd Cooke

**RECYLCED OIL AND FILTERS**

## Monthly Progress Report #17 – November 2005

Falcon Refinery

Date: December 10, 2005

Section: Monthly Progress Report #17

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Month	Volume (gal)
January-05	16,651
February-05	0
<b>Total</b>	<b>16,651</b>

**Monthly Progress Report #18  
December 2005**

**Falcon Refinery Superfund Site  
Ingleside  
San Patricio County, Texas  
TXD 086 278 058**

**Prepared for**

**National Oil and Recovery Corporation  
3717 Bowne Street  
Flushing, NY 11354**

**January 10, 2006**

**Prepared by**

**KLEINFELDER  
3601 Manor Road  
Austin, Texas 78723**

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None this reporting period

## **1.0 INTRODUCTION**

This eighteenth Monthly Progress Report is submitted in accordance with the Falcon Refinery Site Administrative Orders on Consent for Removal Action and Remedial Investigation / Feasibility Study between the U.S. Environmental Protection Agency (U.S. EPA) and National Oil and Recovery Corporation (NORCO).

This Monthly Progress Report and subsequent reports will address activities associated with both of the orders.

The next monthly progress report, covering January 2006 will be submitted on or before February 10, 2006.

## **2.0 COMPLETED ACTIVITIES**

### **2.1 Removal Action Activities**

Since activities are now being performed on a regular basis, a safety meeting is held addressing general hazards and specific concerns of each day's anticipated actions.

Approximately 565,000 gallons of liquid waste were removed and properly disposed during the month from Tank 27. Original waste manifests are available at the Kleinfelder office in Austin. A compilation of hazardous liquid waste disposal is included as Table 1.

Subcontractors were contacted to update project planning and budgeting.

Clearing and grubbing activities were performed around tanks 26 and 27.

### **2.2 Remedial Investigation / Feasibility Study (RI/FS)**

The amended RI/FS Work Plan, Quality Assurance Project Plan, and Field Sampling Plan were provided to the EPA and the state and federal trustees on May 5, 2005.

## **3.0 CHANGES MADE IN THE PLANS DURING THE REPORTING PERIOD**

None this reporting period.

#### **4.0 COMMUNITY RELATIONS**

No community relation activities occurred during the month.

#### **5.0 CHANGES IN PERSONNEL DURING THE REPORTING PERIOD**

Michael Boozer (PG) has been designated as the on-site manager.

#### **6.0 LIST OF PROJECTED WORK FOR THE NEXT TWO MONTHS**

##### **6.1 Removal Action Work projected for the next two months includes:**

- Continuing the removal and disposal of liquids from the storage tanks and pipelines at the anticipated rate of approximately 60,000 gallons a month;
- Contracting a company to pig and evacuate the pipelines that leave the facility;
- Revising the Land Treatment Unit (LTU) proposal based on comments received from the EPA and TCEQ;
- Removal of debris; and
- Continued site maintenance.

##### **6.2 RI/FS Work projected for the next two months includes:**

- Conferring with the EPA and Trustees about the work plan;
- Making amendments to the RI/FS Work Plan and submitting the final RI/FS Work Plan; and
- Making amendments to and submitting the Field Sampling Plan and the Quality Assurance Project Plan.

#### **7.0 LABORATORY / MONITORING DATA**

None this reporting period.

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**Hazardous Liquid Waste Disposal**

**Monthly Progress Report #18 – December 2005**

Falcon Refinery

Date: January 10, 2006

Section: Monthly Progress Report #18

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DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
Texas Molecular Corpus Christi Services, LP	6901 Greenwood Dr Corpus Christi, TX	361-852-8284	TXR000001016	Robert Rodriguez

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**RQ, HAZARDOUS WASTE LIQUID N.O.S., 9 , UN3082, III (D007, D008, D018)**

Month	Volume (gal)
October-04	53,832
November-04	734,763
December-04	879,158
January-05	783,881
February-05	551,444
March-05	565,489
April-05	445,107
May-05	471,311
<b>Total</b>	<b>4,484,985</b>

**Table 2**  
**Metal Disposal**

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DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
Commercial Metal Company	4614 Agnes St Corpus Christi, TX	361-884-4071	None	David

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**RECYCLED METAL**

Month	Volume (lbs)
October-04	0
November-04	16,820
December-04	19,640
January-05	31,380
February-05	0
<b>Total</b>	<b>67,840</b>

**FIRE EXTINGUISHERS**

Month	Quantity
December-04	10
<b>Total</b>	<b>10</b>

Industrial Fire & Safety Co. removed 10 fire extinguishers from the job site.  
The powder was disposed of properly and the metal went to salvage.



**Table 3**  
**Contaminated Soil and Oily Debris Disposal**

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
U.S. Ecology Texas L.P.	P.O. Box 307 Robstown, TX	361-387-3518	TXD069452340	Glenda Felkner

**PETROLEUM CONTAMINATED SOIL AND OILY DEBRIS**

Month	Volume (cy)
October-04	0
November-04	0
December-04	40
January-05	0
February-05	0
<b>Total</b>	<b>40</b>

**RQ, HAZARDOUS WASTE SOLID, N.O.S., LEAD, 9 NA3077, PGIII (OILY SLUDGE AND SOIL)**

Month	Volume (cy)
February-05	15
<b>Total</b>	<b>15</b>

**Table 4**  
**Oil and Filter Disposal**

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
Texas Molecular Corpus Christi Services, LP	6901 Greenwood Dr Corpus Christi, TX	361-852-8284	TXR000001016	Robert Rodriguez

**RECYLCED OIL AND FILTERS**

Month	Volume (gal)
January-05	403
February-05	0
<b>Total</b>	<b>403</b>

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
Midstate Environmental Services, LLC	2203 Tower Road Robstown, TX	361-387-2171	TXR000051227	Lloyd Cooke

**RECYLCED OIL AND FILTERS**

Month	Volume (gal)
January-05	16,651
February-05	0
<b>Total</b>	<b>16,651</b>

# **Monthly Progress Report #19**

## **January 2006**

**Falcon Refinery Superfund Site**  
**Ingleside**  
**San Patricio County, Texas**  
**TXD 086 278 058**

**Prepared for**

**National Oil and Recovery Corporation**  
**3717 Bowne Street**  
**Flushing, NY 11354**

**February 10, 2006**

**Prepared by**

**KLEINFELDER**  
**3601 Manor Road**  
**Austin, Texas 78723**

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## LIST OF APPENDICES

None this reporting period

## **1.0 INTRODUCTION**

This nineteenth Monthly Progress Report is submitted in accordance with the Falcon Refinery Site Administrative Orders on Consent for Removal Action and Remedial Investigation / Feasibility Study between the U.S. Environmental Protection Agency (U.S. EPA) and National Oil and Recovery Corporation (NORCO).

This Monthly Progress Report and subsequent reports will address activities associated with both of the orders.

The next monthly progress report, covering February 2006 will be submitted on or before March 10, 2006.

## **2.0 COMPLETED ACTIVITIES**

### **2.1 Removal Action Activities**

Since activities are now being performed on a regular basis, a safety meeting is held addressing general hazards and specific concerns of each day's anticipated actions.

Approximately 58,740 gallons of liquid waste were removed and properly disposed during the month from Tank 26. To date a total of approximately 4,586,275 gallons of hazardous waste have been disposed of at the Texas Molecular deep well injection well. Original waste manifests are available at the Kleinfelder office in Austin. A compilation of hazardous liquid waste disposal is included as Table 1.

Subcontractors were contacted to update project planning and budgeting.

### **2.2 Remedial Investigation / Feasibility Study (RI/FS)**

The amended RI/FS Work Plan, Quality Assurance Project Plan, and Field Sampling Plan were provided to the EPA and the state and federal trustees on May 5, 2005.

## **3.0 CHANGES MADE IN THE PLANS DURING THE REPORTING PERIOD**

None this reporting period.

#### **4.0 COMMUNITY RELATIONS**

The recipient of the Technical Assistance Grant (TAG), the Coastal Bend Bays Foundation (CBBF), held a public meeting on January 9<sup>th</sup> at Texas A&M University Corpus Christi to discuss the Brine Services Site. The director (or opening speaker) of the CBBF did provide a short update on the TAG's involvement at the Falcon Refinery Site.

Representatives of Kleinfelder attended the meeting.

#### **5.0 CHANGES IN PERSONNEL DURING THE REPORTING PERIOD**

No changes this reporting period.

#### **6.0 LIST OF PROJECTED WORK FOR THE NEXT TWO MONTHS**

##### **6.1 Removal Action Work projected for the next two months includes:**

- Continuing the removal and disposal of liquids from the storage tanks and pipelines at the anticipated rate of approximately 60,000 gallons a month;
- Contracting a company to pig and evacuate the pipelines that leave the facility;
- Removal of debris; and
- Continued site maintenance.

##### **6.2 RI/FS Work projected for the next two months includes:**

- Conferring with the EPA and Trustees about the work plan;
- Making amendments to the RI/FS Work Plan and submitting the final RI/FS Work Plan; and
- Making amendments to and submitting the Field Sampling Plan and the Quality Assurance Project Plan.

#### **7.0 LABORATORY / MONITORING DATA**

None this reporting period.

## TABLES

**Table 1**  
**Hazardous Liquid Waste Disposal**

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
Texas Molecular Corpus Christi Services, LP	6901 Greenwood Dr Corpus Christi, TX	361-852-8284	TXR000001016	Robert Rodriguez

**RQ, HAZARDOUS WASTE LIQUID N.O.S., 9 , UN3082, III (D007, D008, D018)**

Month	Volume (gal)
October-04	53,832
November-04	734,763
December-04	879,158
January-05	783,881
February-05	551,444
March-05	565,489
April-05	445,107
May-05	471,311
December-05	42,550
January-06	58,740
<b>Total</b>	<b>4,586,275</b>

**Table 2**  
**Metal Disposal**

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
Commercial Metal Company	4614 Agnes St Corpus Christi, TX	361-884-4071	None	David

### RECYCLED METAL

Month	Volume (lbs)
October-04	0
November-04	16,820
December-04	19,640
January-05	31,380
February-05	0
<b>Total</b>	<b>67,840</b>

### FIRE EXTINGUISHERS

Month	Quantity
December-04	10
<b>Total</b>	<b>10</b>

Industrial Fire & Safety Co. removed 10 fire extinguishers from the job site.  
 The powder was disposed of properly and the metal went to salvage.

**Table 3**  
**Contaminated Soil and Oily Debris Disposal**

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
U.S. Ecology Texas L.P.	P.O. Box 307 Robstown, TX	361-387-3518	TXD069452340	Glenda Felkner

**PETROLEUM CONTAMINATED SOIL AND OILY DEBRIS**

Month	Volume (cy)
October-04	0
November-04	0
December-04	40
January-05	0
February-05	0
<b>Total</b>	<b>40</b>

**RQ, HAZARDOUS WASTE SOLID, N.O.S., LEAD, 9 NA3077, PGIII (OILY SLUDGE AND SOIL)**

Month	Volume (cy)
February-05	15
<b>Total</b>	<b>15</b>

**Table 4**  
**Oil and Filter Disposal**

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
Texas Molecular Corpus Christi Services, LP	6901 Greenwood Dr Corpus Christi, TX	361-852-8284	TXR000001016	Robert Rodriguez

**RECYLCED OIL AND FILTERS**

Month	Volume (gal)
January-05	403
February-05	0
<b>Total</b>	<b>403</b>

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
Midstate Environmental Services, LLC	2203 Tower Road Robstown, TX	361-387-2171	TXR000051227	Lloyd Cooke

**RECYLCED OIL AND FILTERS**

Month	Volume (gal)
January-05	16,651
February-05	0
<b>Total</b>	<b>16,651</b>

**Monthly Progress Report #20**  
**February 2006**

**Falcon Refinery Superfund Site**  
**Ingleside**  
**San Patricio County, Texas**  
**TXD 086 278 058**

**Prepared for**

**National Oil and Recovery Corporation**  
**3717 Bowne Street**  
**Flushing, NY 11354**

**March 10, 2006**

**Prepared by**

**KLEINFELDER**  
**3601 Manor Road**  
**Austin, Texas 78723**



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## LIST OF APPENDICES

None this reporting period

## **1.0 INTRODUCTION**

This twentieth Monthly Progress Report is submitted in accordance with the Falcon Refinery Site Administrative Orders on Consent for Removal Action and Remedial Investigation / Feasibility Study between the U.S. Environmental Protection Agency (U.S. EPA) and National Oil and Recovery Corporation (NORCO).

This Monthly Progress Report and subsequent reports will address activities associated with both of the orders.

The next monthly progress report, covering March 2006 will be submitted on or before April 10, 2006.

## **2.0 COMPLETED ACTIVITIES**

### **2.1 Removal Action Activities**

Since activities are now being performed on a regular basis, a safety meeting is held addressing general hazards and specific concerns of each day's anticipated actions.

Approximately 59,140 gallons of liquid waste were removed and properly disposed during the month from Tank 26. To date a total of approximately 4,645,415 gallons of hazardous waste have been disposed of at the Texas Molecular deep well injection well. Original waste manifests are available at the Kleinfelder office in Austin. A compilation of hazardous liquid waste disposal is included as Table 1.

Subcontractors were contacted to update project planning and budgeting.

### **2.2 Remedial Investigation / Feasibility Study (RI/FS)**

The amended RI/FS Work Plan, Quality Assurance Project Plan, and Field Sampling Plan were provided to the EPA and the state and federal trustees on May 5, 2005.

## **3.0 CHANGES MADE IN THE PLANS DURING THE REPORTING PERIOD**

None this reporting period.

#### **4.0 COMMUNITY RELATIONS**

None this reporting period.

#### **5.0 CHANGES IN PERSONNEL DURING THE REPORTING PERIOD**

No changes this reporting period.

#### **6.0 LIST OF PROJECTED WORK FOR THE NEXT TWO MONTHS**

##### **6.1 Removal Action Work projected for the next two months includes:**

- Continuing the removal and disposal of liquids from the storage tanks and pipelines at the anticipated rate of approximately 60,000 gallons a month;
- Contracting a company to pig and evacuate the pipelines that leave the facility;
- Removal of debris; and
- Continued site maintenance.

##### **6.2 RI/FS Work projected for the next two months includes:**

- Conferring with the EPA and Trustees about the work plan;
- Making amendments to the RI/FS Work Plan and submitting the final RI/FS Work Plan; and
- Making amendments to and submitting the Field Sampling Plan and the Quality Assurance Project Plan.

#### **7.0 LABORATORY / MONITORING DATA**

None this reporting period.

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**TABLES****Table 1  
Hazardous Liquid Waste Disposal**

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
Texas Molecular Corpus Christi Services, LP	6901 Greenwood Dr. Corpus Christi, TX	361-852-8284	TXR000001016	Robert Rodriguez

**RQ, HAZARDOUS WASTE LIQUID N.O.S., 9 , UN3082, III (D007, D008, D018)**

Month	Volume (gal)
October-04	53,832
November-04	734,763
December-04	879,158
January-05	783,881
February-05	551,444
March-05	565,489
April-05	445,107
May-05	471,311
December-05	42,550
January-06	58,740
February-06	59,140
<b>Total</b>	<b>4,645,415</b>

**Table 2  
Metal Disposal**

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
Commercial Metal Company	4614 Agnes St Corpus Christi, TX	361-884-4071	None	David

**RECYCLED METAL**

Month	Volume (lbs)
October-04	0
November-04	16,820
December-04	19,640
January-05	31,380
February-05	0
<b>Total</b>	<b>67,840</b>

**FIRE EXTINGUISHERS**

Month	Quantity
December-04	10
<b>Total</b>	<b>10</b>

Industrial Fire &amp; Safety Co. removed 10 fire extinguishers from the job site.

The powder was disposed of properly and the metal went to salvage.

**Table 3**  
**Contaminated Soil and Oily Debris Disposal**

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
U.S. Ecology Texas L.P.	P.O. Box 307 Robstown, TX	361-387-3518	TXD069452340	Glenda Felkner

**PETROLEUM CONTAMINATED SOIL AND OILY DEBRIS**

Month	Volume (cy)
October-04	0
November-04	0
December-04	40
January-05	0
February-05	0
<b>Total</b>	<b>40</b>

**RQ, HAZARDOUS WASTE SOLID, N.O.S., LEAD, 9 NA3077, PGIII (OILY SLUDGE AND SOIL)**

Month	Volume (cy)
February-05	15
<b>Total</b>	<b>15</b>

**Table 4**  
**Oil and Filter Disposal**

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
Texas Molecular Corpus Christi Services, LP	6901 Greenwood Dr Corpus Christi, TX	361-852-8284	TXR000001016	Robert Rodriguez

**RECYLCED OIL AND FILTERS**

Month	Volume (gal)
January-05	403
February-05	0
<b>Total</b>	<b>403</b>

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
Midstate Environmental Services, LLC	2203 Tower Road Robstown, TX	361-387-2171	TXR000051227	Lloyd Cooke

**RECYLCED OIL AND FILTERS**

Month	Volume (gal)
January-05	16,651
February-05	0
<b>Total</b>	<b>16,651</b>



**Monthly Progress Report #21**  
**March 2006**

**Falcon Refinery Superfund Site**  
**Ingleside**  
**San Patricio County, Texas**  
**TXD 086 278 058**

**Prepared for**

**National Oil and Recovery Corporation**  
**3717 Bowne Street**  
**Flushing, NY 11354**

**April 10, 2006**

**Prepared by**

**KLEINFELDER**  
**3601 Manor Road**  
**Austin, Texas 78723**

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## LIST OF APPENDICES

None this reporting period



## **1.0 INTRODUCTION**

This twenty-first Monthly Progress Report is submitted in accordance with the Falcon Refinery Site Administrative Orders on Consent for Removal Action and Remedial Investigation / Feasibility Study between the U.S. Environmental Protection Agency (U.S. EPA) and National Oil and Recovery Corporation (NORCO).

This Monthly Progress Report and subsequent reports will address activities associated with both of the orders.

The next monthly progress report, covering April 2006 will be submitted on or before May 10, 2006.

## **2.0 COMPLETED ACTIVITIES**

### **2.1 Removal Action Activities**

Due to an accident at the Texas Molecular Deep Well Injection facility the TCEQ would not allow the receipt any waste shipments at the injection well. Shipments from the refinery will commence as soon as Texas Molecular has obtained regulatory clearance.

### **2.2 Remedial Investigation / Feasibility Study (RI/FS)**

Comments were received concerning the amended RI/FS Work Plan, Quality Assurance Project Plan, and Field Sampling Plan from the EPA and the state and federal trustees during March 2006.

A project-scoping meeting has been scheduled in April 2006. The final RI/FS Work Plan, Quality Assurance Project Plan, and Field Sampling Plan will be submitted to the EPA during May or June 2006.

## **3.0 CHANGES MADE IN THE PLANS DURING THE REPORTING PERIOD**

None this reporting period.

#### **4.0 COMMUNITY RELATIONS**

None this reporting period.

#### **5.0 CHANGES IN PERSONNEL DURING THE REPORTING PERIOD**

No changes this reporting period.

#### **6.0 LIST OF PROJECTED WORK FOR THE NEXT TWO MONTHS**

##### **6.1 Removal Action Work projected for the next two months includes:**

- Continuing the removal and disposal of liquids from the storage tanks and pipelines at the anticipated rate of approximately 60,000 gallons a month;
- Contracting a company to pig and evacuate the pipelines that leave the facility;
- Removal of debris; and
- Continued site maintenance.

##### **6.2 RI/FS Work projected for the next two months includes:**

- Conferring with the EPA and Trustees about the work plan;
- Making amendments to the RI/FS Work Plan and submitting the final RI/FS Work Plan; and
- Making amendments to and submitting the Field Sampling Plan and the Quality Assurance Project Plan.

#### **7.0 LABORATORY / MONITORING DATA**

None this reporting period.

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**TABLES****Table 1  
Hazardous Liquid Waste Disposal**

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
Texas Molecular Corpus Christi Services, LP	6901 Greenwood Dr. Corpus Christi, TX	361-852-8284	TXR000001016	Robert Rodriguez

**RQ, HAZARDOUS WASTE LIQUID N.O.S., 9 , UN3082, III (D007, D008, D018)**

Month	Volume (gal)
October-04	53,832
November-04	734,763
December-04	879,158
January-05	783,881
February-05	551,444
March-05	565,489
April-05	445,107
May-05	471,311
December-05	42,550
January-06	58,740
February-06	59,140
March-06	0
<b>Total</b>	<b>4,645,415</b>

**Table 2  
Metal Disposal**

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
Commercial Metal Company	4614 Agnes St Corpus Christi, TX	361-884-4071	None	David

**RECYCLED METAL**

Month	Volume (lbs)
October-04	0
November-04	16,820
December-04	19,640
January-05	31,380
February-05	0
<b>Total</b>	<b>67,840</b>

**FIRE EXTINGUISHERS**

Month	Quantity
December-04	10
<b>Total</b>	<b>10</b>

Industrial Fire & Safety Co. removed 10 fire extinguishers from the job site.  
 The powder was disposed of properly and the metal went to salvage.

**Table 3**  
**Contaminated Soil and Oily Debris Disposal**

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
U.S. Ecology Texas L.P.	P.O. Box 307 Robstown, TX	361-387-3518	TXD069452340	Glenda Felkner

**PETROLEUM CONTAMINATED SOIL AND OILY DEBRIS**

Month	Volume (cy)
October-04	0
November-04	0
December-04	40
January-05	0
February-05	0
<b>Total</b>	<b>40</b>

**RQ, HAZARDOUS WASTE SOLID, N.O.S., LEAD, 9 NA3077, PGIII (OILY SLUDGE AND SOIL)**

Month	Volume (cy)
February-05	15
<b>Total</b>	<b>15</b>

**Table 4**  
**Oil and Filter Disposal**

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
Texas Molecular Corpus Christi Services, LP	6901 Greenwood Dr Corpus Christi, TX	361-852-8284	TXR000001016	Robert Rodriguez

**RECYLCED OIL AND FILTERS**

Month	Volume (gal)
January-05	403
February-05	0
<b>Total</b>	<b>403</b>

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
Midstate Environmental Services, LLC	2203 Tower Road Robstown, TX	361-387-2171	TXR000051227	Lloyd Cooke

**RECYLCED OIL AND FILTERS**

Month	Volume (gal)
January-05	16,651
February-05	0
<b>Total</b>	<b>16,651</b>



**Monthly Progress Report #22**  
**April 2006**

**Falcon Refinery Superfund Site**  
**Ingleside**  
**San Patricio County, Texas**  
**TXD 086 278 058**

**Prepared for**

**National Oil and Recovery Corporation**  
**3717 Bowne Street**  
**Flushing, NY 11354**

**May 10, 2006**

**Prepared by**

**KLEINFELDER**  
**3601 Manor Road**  
**Austin, Texas 78723**

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None this reporting period

## **1.0 INTRODUCTION**

This twenty-second Monthly Progress Report is submitted in accordance with the Falcon Refinery Site Administrative Orders on Consent for Removal Action and Remedial Investigation / Feasibility Study between the U.S. Environmental Protection Agency (U.S. EPA) and National Oil and Recovery Corporation (NORCO).

This Monthly Progress Report and subsequent reports will address activities associated with both of the orders.

The next monthly progress report, covering May 2006 will be submitted on or before June 10, 2006.

## **2.0 COMPLETED ACTIVITIES**

### **2.1 Removal Action Activities**

Disposal of hazardous waste was resumed at the Texas Molecular Deep Well Injection facility during the month of April. Approximately 55,000 gallons of waste was removed and disposed during April and disposal will continue at that approximate monthly rate. To date over 4.7 million gallons of hazardous waste has been properly disposed of from the Falcon Refinery.

### **2.2 Remedial Investigation / Feasibility Study (RI/FS)**

A project-scoping meeting was held on April 13, 2006 at the Austin, Texas office of Kleinfelder. Attending the meeting were representatives of NORCO, the EPA, state and federal trustees and Kleinfelder personnel. The final RI/FS Work Plan, Quality Assurance Project Plan, and Field Sampling Plan and an updated project schedule will be submitted to the EPA in June 2006.

## **3.0 CHANGES MADE IN THE PLANS DURING THE REPORTING PERIOD**

None this reporting period.



#### **4.0 COMMUNITY RELATIONS**

None this reporting period.

#### **5.0 CHANGES IN PERSONNEL DURING THE REPORTING PERIOD**

No changes this reporting period.

#### **6.0 LIST OF PROJECTED WORK FOR THE NEXT TWO MONTHS**

##### **6.1 Removal Action Work projected for the next two months includes:**

- Continuing the removal and disposal of liquids from the storage tanks and pipelines at the anticipated rate of approximately 55,000 gallons a month;
- Contracting a company to pig and evacuate the pipelines that leave the facility;
- Removal of debris; and
- Continued site maintenance.

##### **6.2 RI/FS Work projected for the next two months includes:**

- Conferring with the EPA and Trustees about the work plan;
- Making amendments to the RI/FS Work Plan and submitting the final RI/FS Work Plan; and
- Making amendments to and submitting the Field Sampling Plan and the Quality Assurance Project Plan.

#### **7.0 LABORATORY / MONITORING DATA**

None this reporting period.

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**TABLES**

**Table 1**  
**Hazardous Liquid Waste Disposal**

<b>DISPOSAL FACILITY</b>	<b>ADDRESS</b>	<b>PHONE NO.</b>	<b>EPA ID NO.</b>	<b>CONTACT</b>
Texas Molecular Corpus Christi Services, LP	6901 Greenwood Dr. Corpus Christi, TX	361-852-8284	TXR000001016	Robert Rodriguez

**RQ, HAZARDOUS WASTE LIQUID N.O.S., 9 , UN3082, III (D007, D008, D018)**

<b>Month</b>	<b>Volume (gal)</b>
October-04	53,832
November-04	734,763
December-04	879,158
January-05	783,881
February-05	551,444
March-05	565,489
April-05	445,107
May-05	471,311
December-05	42,550
January-06	58,740
February-06	59,140
March-06	0
April-06	55,000
<b>Total</b>	<b>4,700,415</b>

**Table 2**  
**Metal Disposal**

<b>DISPOSAL FACILITY</b>	<b>ADDRESS</b>	<b>PHONE NO.</b>	<b>EPA ID NO.</b>	<b>CONTACT</b>
Commercial Metal Company	4614 Agnes St Corpus Christi, TX	361-884-4071	None	David

**RECYCLED METAL**

<b>Month</b>	<b>Volume (lbs)</b>
October-04	0
November-04	16,820
December-04	19,640
January-05	31,380
February-05	0
<b>Total</b>	<b>67,840</b>

**FIRE EXTINGUISHERS**

Month	Quantity
December-04	10
<b>Total</b>	<b>10</b>

Industrial Fire & Safety Co. removed 10 fire extinguishers from the job site.  
The powder was disposed of properly and the metal went to salvage.

**Table 3**  
**Contaminated Soil and Oily Debris Disposal**

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
U.S. Ecology Texas L.P.	P.O. Box 307 Robstown, TX	361-387-3518	TXD069452340	Glenda Felkner

**PETROLEUM CONTAMINATED SOIL AND OILY DEBRIS**

Month	Volume (cy)
October-04	0
November-04	0
December-04	40
January-05	0
February-05	0
<b>Total</b>	<b>40</b>

**RQ, HAZARDOUS WASTE SOLID, N.O.S., LEAD, 9 NA3077, PGIII (OILY SLUDGE AND SOIL)**

Month	Volume (cy)
February-05	15
<b>Total</b>	<b>15</b>

**Table 4**  
**Oil and Filter Disposal**

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
Texas Molecular Corpus Christi Services, LP	6901 Greenwood Dr Corpus Christi, TX	361-852-8284	TXR000001016	Robert Rodriguez

**RECYLCED OIL AND FILTERS**

**Monthly Progress Report #22 – April 2006**

Falcon Refinery

Date: May 10, 2006

Section: Monthly Progress Report #22

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Month	Volume (gal)
January-05	403
February-05	0
<b>Total</b>	<b>403</b>

<b>DISPOSAL FACILITY</b>	<b>ADDRESS</b>	<b>PHONE NO.</b>	<b>EPA ID NO.</b>	<b>CONTACT</b>
Midstate Environmental Services, LLC	2203 Tower Road Robstown, TX	361-387-2171	TXR000051227	Lloyd Cooke

---

**RECYLCED OIL AND FILTERS**

Month	Volume (gal)
January-05	16,651
February-05	0
<b>Total</b>	<b>16,651</b>

**Monthly Progress Report #23**  
**May 2006**

**Falcon Refinery Superfund Site**  
**Ingleside**  
**San Patricio County, Texas**  
**TXD 086 278 058**

**Prepared for**

**National Oil and Recovery Corporation**  
**3717 Bowne Street**  
**Flushing, NY 11354**

**June 10, 2006**

**Prepared by**

**KLEINFELDER**  
**3601 Manor Road**  
**Austin, Texas 78723**

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## LIST OF APPENDICES

None this reporting period

## **1.0 INTRODUCTION**

This twenty-third Monthly Progress Report is submitted in accordance with the Falcon Refinery Site Administrative Orders on Consent for Removal Action and Remedial Investigation / Feasibility Study between the U.S. Environmental Protection Agency (U.S. EPA) and National Oil and Recovery Corporation (NORCO).

This Monthly Progress Report and subsequent reports will address activities associated with both of the orders.

The next monthly progress report, covering June 2006 will be submitted on or before July 10, 2006.

## **2.0 COMPLETED ACTIVITIES**

### **2.1 Removal Action Activities**

Approximately 59,000 gallons of liquid waste were removed and properly disposed during the month from Tank 26. To date a total of approximately 4,762,599 gallons of hazardous waste have been removed from the tanks and disposed of at the Texas Molecular deep well injection well. Original waste manifests are available at the Kleinfelder office in Austin. A compilation of hazardous liquid waste disposal is included as Table 1.

A Removal Action Work Plan (RAW) addendum for Pipeline Cleanout was submitted and approved by the EPA during May. The work plan activities will be implemented during June 2006.

An updated RAW schedule was submitted to the EPA.

The EPA OSC is requiring that all waste be removed from the above ground storage tanks by July 2007.

### **2.2 Remedial Investigation / Feasibility Study (RI/FS)**

The EPA and trustees reviewed figures showing sampling locations and have tentatively agreed to the locations of the samples. The final RI/FS Work Plan, Quality Assurance Project Plan, and Field Sampling Plan and an updated project schedule will be submitted to the EPA in July 2006.

## **3.0 CHANGES MADE IN THE PLANS DURING THE REPORTING PERIOD**

None this reporting period.

#### **4.0 COMMUNITY RELATIONS**

None this reporting period.

#### **5.0 CHANGES IN PERSONNEL DURING THE REPORTING PERIOD**

Paul Supak has been appointed as the Kleinfelder on-site manager.

#### **6.0 LIST OF PROJECTED WORK FOR THE NEXT TWO MONTHS**

##### **6.1 Removal Action Work projected for the next two months includes:**

- Continuing the removal and disposal of liquids from the storage tanks and pipelines at the anticipated rate of approximately 100,000 gallons a month;
- Contracting a company to pig and evacuate the pipelines that leave the facility;
- Removal of debris; and
- Continued site maintenance.

##### **6.2 RI/FS Work projected for the next two months includes:**

- Conferring with the EPA and Trustees about the work plan;
- Making amendments to the RI/FS Work Plan and submitting the final RI/FS Work Plan; and
- Making amendments to and submitting the Field Sampling Plan and the Quality Assurance Project Plan.

#### **7.0 LABORATORY / MONITORING DATA**

None this reporting period.



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**TABLES**

**Table 1**  
**Hazardous Liquid Waste Disposal**

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
Texas Molecular Corpus Christi Services, LP	6901 Greenwood Dr. Corpus Christi, TX	361-852-8284	TXR000001016	Robert Rodriguez

**RQ, HAZARDOUS WASTE LIQUID N.O.S., 9 , UN3082, III (D007, D008, D018)**

Month	Volume (gal)
October-04	53,832
November-04	734,763
December-04	879,158
January-05	783,881
February-05	551,444
March-05	565,489
April-05	445,107
May-05	471,311
December-05	42,550
January-06	58,740
February-06	59,140
March-06	0
April-06	57,421
May-06	59,763
<b>Total</b>	<b>4,762,599</b>

**Table 2**  
**Metal Disposal**

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
Commercial Metal Company	4614 Agnes St Corpus Christi, TX	361-884-4071	None	David

**RECYCLED METAL**

Month	Volume (lbs)
October-04	0
November-04	16,820
December-04	19,640
January-05	31,380
February-05	0
<b>Total</b>	<b>67,840</b>

**FIRE EXTINGUISHERS**

Month	Quantity
December-04	10
<b>Total</b>	<b>10</b>

Industrial Fire & Safety Co. removed 10 fire extinguishers from the job site.  
The powder was disposed of properly and the metal went to salvage.

**Table 3**  
**Contaminated Soil and Oily Debris Disposal**

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
U.S. Ecology Texas L.P.	P.O. Box 307 Robstown, TX	361-387-3518	TXD069452340	Glenda Felkner

**PETROLEUM CONTAMINATED SOIL AND OILY DEBRIS**

Month	Volume (cy)
October-04	0
November-04	0
December-04	40
January-05	0
February-05	0
<b>Total</b>	<b>40</b>

**RQ, HAZARDOUS WASTE SOLID, N.O.S., LEAD, 9 NA3077, PGIII (OILY SLUDGE AND SOIL)**

Month	Volume (cy)
February-05	15
<b>Total</b>	<b>15</b>

**Table 4**  
**Oil and Filter Disposal**

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
Texas Molecular Corpus Christi Services, LP	6901 Greenwood Dr Corpus Christi, TX	361-852-8284	TXR000001016	Robert Rodriguez

**RECYLCED OIL AND FILTERS**

Month	Volume (gal)
January-05	403
February-05	0
<b>Total</b>	<b>403</b>

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
Midstate Environmental Services, LLC	2203 Tower Road Robstown, TX	361-387-2171	TXR000051227	Lloyd Cooke

**RECYLCED OIL AND FILTERS**

Month	Volume (gal)
January-05	16,651
February-05	0
<b>Total</b>	<b>16,651</b>

**Monthly Progress Report #24**  
**June 2006**

**Falcon Refinery Superfund Site**  
**Ingleside**  
**San Patricio County, Texas**  
**TXD 086 278 058**

**Prepared for**

**National Oil and Recovery Corporation**  
**3717 Bowne Street**  
**Flushing, NY 11354**

**July 10, 2006**

**Prepared by**

**KLEINFELDER**  
**3601 Manor Road**  
**Austin, Texas 78723**

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<b>6.0</b>	<b>LIST OF PROJECTED WORK FOR THE NEXT TWO MONTHS.....</b>	<b>3</b>
<b>6.1</b>	<b>Removal Action Work Projected for the Next Two Months.....</b>	<b>3</b>
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None this reporting period

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<b>Table 3</b>	<b>Contaminated Soil and Oily Debris Disposal.....</b>	<b>5</b>
<b>Table 4</b>	<b>Oil and Filter Disposal.....</b>	<b>6</b>

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## **1.0 INTRODUCTION**

This twenty-fourth Monthly Progress Report is submitted in accordance with the Falcon Refinery Site Administrative Orders on Consent for Removal Action and Remedial Investigation / Feasibility Study between the U.S. Environmental Protection Agency (U.S. EPA) and National Oil and Recovery Corporation (NORCO).

This Monthly Progress Report and subsequent reports will address activities associated with both of the orders.

The next monthly progress report, covering July 2006 will be submitted on or before August 10, 2006.

## **2.0 COMPLETED ACTIVITIES**

### **2.1 Removal Action Activities**

Approximately 75,000 gallons of liquid waste were removed and properly disposed during the month from Tank 27. To date a total of approximately 4,836,475 gallons of hazardous waste have been removed from the tanks and disposed of at the Texas Molecular deep well injection well. Original waste manifests are available at the Kleinfelder office in Austin. A compilation of hazardous liquid waste disposal is included as Table 1.

During June the disposal rate was doubled as compared to the rate during the previous six-month period. At the current rate approximately 120,000 gallons of waste will be disposed on a monthly basis.

A copy of the EPA approved Removal Action Work Plan (RAW) addendum that described Pipeline Cleanout activities is included in Appendix A. Activities for the clean out commenced on June 12 and were concluded on June 20. A description of the pipeline clean out will be provided after the EPA approves the report.

### **2.2 Remedial Investigation / Feasibility Study (RI/FS)**

The final RI/FS Work Plan, Quality Assurance Project Plan, and Field Sampling Plan and an updated project schedule will be submitted to the EPA on July 7, 2006.

## **3.0 CHANGES MADE IN THE PLANS DURING THE REPORTING PERIOD**

None this reporting period.

## **4.0 COMMUNITY RELATIONS**

None this reporting period.

## **5.0 CHANGES IN PERSONNEL DURING THE REPORTING PERIOD**

None this reporting period.

## **6.0 LIST OF PROJECTED WORK FOR THE NEXT TWO MONTHS**

### **6.1 Removal Action Work projected for the next two months includes:**

- Continuing the removal and disposal of liquids from the storage tanks and pipelines at the anticipated rate of approximately 120,000 gallons a month;
- Removal of debris; and
- Continued site maintenance.

### **6.2 RI/FS Work projected for the next two months includes:**

- Making amendments to the RI/FS Work Plan and submitting the final RI/FS Work Plan; and
- Making amendments to and submitting the Field Sampling Plan and the Quality Assurance Project Plan.

## **7.0 LABORATORY / MONITORING DATA**

None this reporting period.

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**TABLES**

**Table 1**  
**Hazardous Liquid Waste Disposal**

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
Texas Molecular Corpus Christi Services, LP	6901 Greenwood Dr. Corpus Christi, TX	361-852-8284	TXR000001016	Robert Rodriguez

**RQ, HAZARDOUS WASTE LIQUID N.O.S., 9 , UN3082, III (D007, D008, D018)**

Month	Volume (gal)
October-04	53,832
November-04	734,763
December-04	879,158
January-05	783,881
February-05	551,444
March-05	565,489
April-05	445,107
May-05	471,311
December-05	42,550
January-06	58,740
February-06	59,140
March-06	0
April-06	57,421
May-06	59,763
June-06	73,876
<b>Total</b>	<b>4,836,475</b>

**Table 2**  
**Metal Disposal**

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
Commercial Metal Company	4614 Agnes St Corpus Christi, TX	361-884-4071	None	David

**RECYCLED METAL**

Month	Volume (lbs)
October-04	0
November-04	16,820
December-04	19,640
January-05	31,380
February-05	0
<b>Total</b>	<b>67,840</b>



**FIRE EXTINGUISHERS**

Month	Quantity
December-04	10
<b>Total</b>	<b>10</b>

Industrial Fire & Safety Co. removed 10 fire extinguishers from the job site.  
The powder was disposed of properly and the metal went to salvage.

**Table 3**  
**Contaminated Soil and Oily Debris Disposal**

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
U.S. Ecology Texas L.P.	P.O. Box 307 Robstown, TX	361-387-3518	TXD069452340	Glenda Felkner

**PETROLEUM CONTAMINATED SOIL AND OILY DEBRIS**

Month	Volume (cy)
October-04	0
November-04	0
December-04	40
January-05	0
February-05	0
<b>Total</b>	<b>40</b>

**RQ, HAZARDOUS WASTE SOLID, N.O.S., LEAD, 9 NA3077, PGIII (OILY SLUDGE AND SOIL)**

Month	Volume (cy)
February-05	15
<b>Total</b>	<b>15</b>

**Table 4**  
**Oil and Filter Disposal**

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
Texas Molecular Corpus Christi Services, LP	6901 Greenwood Dr Corpus Christi, TX	361-852-8284	TXR000001016	Robert Rodriguez

**RECYLCED OIL AND FILTERS**

Month	Volume (gal)
January-05	403
February-05	0
<b>Total</b>	<b>403</b>

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
Midstate Environmental Services, LLC	2203 Tower Road Robstown, TX	361-387-2171	TXR000051227	Lloyd Cooke

**RECYLCED OIL AND FILTERS**

Month	Volume (gal)
January-05	16,651
February-05	0
<b>Total</b>	<b>16,651</b>

**APPENDIX A**  
**REMOVAL ACTION WORK PLAN**  
**ADDENDUM – PIPELINE CLEANOUT**

**Introduction**

In compliance with the approved Removal Action Work Plan for the Falcon Refinery Superfund Site, which is dated June 29, 2004, Kleinfelder provides this work plan addendum. Described in this addendum are the planned pipeline cleanout activities. USA Environmental, LP (USA) will perform the pipeline cleanout under the supervision of Kleinfelder.

The EPA On-Scene Coordinator (OSC) will be given five days notice of the pipeline cleanout.

**Pipeline Background**

There are seven pipelines that connect the Falcon Refinery to the current and former barge docking facilities (Figure 1). Six of the pipelines are abandoned and consist of a 10-inch, three 8-inch and two 6-inch diameter pipelines (Photograph 1). An active 8-inch pipeline (marked with a red spot in Photo 1), that lies immediately adjacent to the abandoned pipelines, will remain active.

The six abandoned pipelines will be exposed, any contents removed and plates will be welded on pipeline to ensure that there is no future environmental concern associated with the abandoned pipelines.

**Safety and Health**

The approved Site-Specific Health and Safety Plan will be provided to USA and prior to each day's activities a safety tailgate meeting will be held. Safety equipment will include hard hats, steel toe boots, gloves, safety glasses, an explosive meter, photoionization detector, fire extinguisher, absorbent material, oil booms and a first aid kit. Paul Supak (Kleinfelder) will be the designated Site Safety Officer for the pipeline activities.

Any excavations deeper than four feet will require shoring and the work area will be fenced or taped off. If vapors above the permissible exposure limit are detected, then appropriate respiratory protection will be used.

Prior to any excavating or probing utilities will be marked and pipelines will be located.

**Pipeline Cleanout Activities**

To minimize the potential for any impacts associated with the pipeline cleanout, block valves will be located and closed as near to the point where the pipelines go underground as possible, near Bishop Road. A vacuum truck will be on stand-by should the above ground portions of the pipelines contain any product.

A hole will be drilled in the top of each pipeline to determine if any liquid is detected in the pipelines. If liquid is detected, care will be taken to ensure that none is released. After the removal of any liquid, the pipelines will be cut at the surface with a pneumatic saw and the pipeline will be checked for vapors.

After a pipeline is cut, a Neoprene mechanical plug will be inserted in the end of each pipe and a slip on flange will be welded on the pipe. Blind flanges will then be bolted on the slip on flanges.

The area immediately adjacent to the point where the pipelines go below Sunray Road (Photo 2) will be excavated, the pipelines will be exposed and a trench box will be placed around the pipelines if groundwater or surface water are a concern. Currently there are nine pipeline markers at this location, indicating that two pipelines not associated with the Falcon Refinery are in this pipe chase.

A current will be attached to the pipelines at the Bishop Road location and readings will be made at the Sunray Road location to identify each pipeline.

A blind pig will be placed in the pipelines and the pipelines will then be vacuumed to remove any residual product that may be left in the abandoned pipelines. Any recovered fluid will be transported to the refinery and placed in Tank 2 on the North side of the refinery.

After the removal of any liquid, the pipelines at the Sunray Road location will be cut with a pneumatic saw. A vacuum truck will be on stand-by should any liquids be detected. After all fluids are removed, the pipelines at the Sunray Road location will have caps welded on the ends of each pipeline.

Removed soil will be placed back in the excavations and carefully compacted.

Site photographs will be taken and the OSC will be notified of any releases from the pipeline activity.

### **Cleanout Contingency**

If any fluid is spilled, visually contaminated soil is observed or if significant organic vapors are detected, soil sampling will be performed for volatile and semi-volatile organics. If any spill reaches surface water then surface water sampling for volatile and semi-volatile organics will be performed.

Any impacted soil will be excavated and brought to the refinery where the soil will be placed on a 40 mil HDPE liner and covered with the liner material pending characterization and proper disposal.

## **Reporting**

After the completion of pipeline cleanout activities a report will be prepared and sent to the OSC. The report will also be included in the final report, which will be submitted within 90 days of the completion of Removal Action activities.

FALCON PIPELINE EXCAVATION PROJECT  
BISHOP ROAD  
INGLESIDE, TEXAS  
PIPELINE CLEANOUT



FIGURE 1





Photo 1





Photo 2

**Monthly Progress Report #25  
July 2006**

**Falcon Refinery Superfund Site  
Ingleside  
San Patricio County, Texas  
TXD 086 278 058**

**Prepared for**

**National Oil and Recovery Corporation  
3717 Bowne Street  
Flushing, NY 11354**

**August 10, 2006**

**Prepared by**

**KLEINFELDER  
3601 Manor Road  
Austin, Texas 78723**

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None this reporting period

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## **1.0 INTRODUCTION**

This twenty-fifth Monthly Progress Report is submitted in accordance with the Falcon Refinery Site Administrative Orders on Consent for Removal Action and Remedial Investigation / Feasibility Study between the U.S. Environmental Protection Agency (U.S. EPA) and National Oil and Recovery Corporation (NORCO).

This Monthly Progress Report and subsequent reports will address activities associated with both of the orders.

The next monthly progress report, covering August 2006 will be submitted on or before September 10, 2006.

## **2.0 COMPLETED ACTIVITIES**

### **2.1 Removal Action Activities**

Approximately 120,000 gallons of liquid waste were removed and properly disposed during the month from Tank 26. To date a total of approximately 4,955,218 gallons of hazardous waste have been removed from the tanks and disposed of at the Texas Molecular deep well injection well. Original waste manifests are available at the Kleinfelder office in Austin. A compilation of hazardous liquid waste disposal is included as Table 1.

During June the disposal rate was doubled as compared to the rate during the previous six-month period. At the current rate approximately 120,000 gallons of waste will be disposed on a monthly basis.

Pipeline clean out activities, which concluded on June 20 will be documented and when approved by the EPA will be included in a monthly report. During the pipeline clean out approximately 8,400 gallons of hydrocarbons and water were removed from the pipelines by vacuuming and the waste was placed into Tank 26 at the refinery.

Due to delays in receiving analytical data related to the pipeline clean out the report will be submitted to the EPA during August.

On July 12<sup>th</sup> NORCO contracted Wendel and Associates to perform a corrosion mitigation survey of the active pipeline that connects the refinery to the current barge dock facility. From the survey an accurate map was prepared of the location of the pipeline. The map was forwarded to the EPA.

NORCO is in the process of implementing the recommendations from the survey.

### **2.2 Remedial Investigation / Feasibility Study (RI/FS)**

The RI/FS Work Plan, Quality Assurance Project Plan, and Field Sampling Plan and an updated project schedule were submitted to the EPA on July 7, 2006.

### **3.0 CHANGES MADE IN THE PLANS DURING THE REPORTING PERIOD**

None this reporting period.

### **4.0 COMMUNITY RELATIONS**

On July 11<sup>th</sup> individuals living near the refinery called the TCEQ to report foul odors emanating from the refinery. Inspections by the TCEQ discovered that Superior Crude Gathering (Superior) was removing light end hydrocarbons from Tank 15 through a hatch in the roof of the tank. The TCEQ concluded that the source of the odor was sour crude that was allowed to vent during the removal actions of Superior and spread to the neighborhood. The TCEQ is in the process of reviewing Superior's permits. The TCEQ has not issued a report to date concerning the incident.

### **5.0 CHANGES IN PERSONNEL DURING THE REPORTING PERIOD**

None this reporting period.

### **6.0 LIST OF PROJECTED WORK FOR THE NEXT TWO MONTHS**

#### **6.1 Removal Action Work projected for the next two months includes:**

- Continuing the removal and disposal of liquids from the storage tanks and pipelines at the anticipated rate of approximately 120,000 gallons a month;
- Removal of debris; and
- Continued site maintenance.

#### **6.2 RI/FS Work projected for the next two months includes:**

- Making amendments to the RI/FS Work Plan and submitting the final RI/FS Work Plan; and
- Making amendments to and submitting the Field Sampling Plan and the Quality Assurance Project Plan.

### **7.0 LABORATORY / MONITORING DATA**

None this reporting period.

## TABLES

**Table 1**  
**Hazardous Liquid Waste Disposal**

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
Texas Molecular Corpus Christi Services, LP	6901 Greenwood Dr. Corpus Christi, TX	361-852-8284	TXR000001016	Robert Rodriguez

RQ, HAZARDOUS WASTE LIQUID N.O.S., 9 , UN3082, III (D007, D008, D018)

Month	Volume (gal)
October-04	53,832
November-04	734,763
December-04	879,158
January-05	783,881
February-05	551,444
March-05	565,489
April-05	445,107
May-05	471,311
December-05	42,550
January-06	58,740
February-06	59,140
March-06	0
April-06	57,421
May-06	59,763
June-06	73,876
July-06	118,743
<b>Total</b>	<b>4,955,218</b>

**Table 2**  
**Metal Disposal**

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
Commercial Metal Company	4614 Agnes St Corpus Christi, TX	361-884-4071	None	David

**RECYCLED METAL**

Month	Volume (lbs)
October-04	0
November-04	16,820
December-04	19,640
January-05	31,380
February-05	0
<b>Total</b>	<b>67,840</b>

**FIRE EXTINGUISHERS**

Month	Quantity
December-04	10
<b>Total</b>	<b>10</b>

Industrial Fire & Safety Co. removed 10 fire extinguishers from the job site.  
The powder was disposed of properly and the metal went to salvage.

**Table 3**  
**Contaminated Soil and Oily Debris Disposal**

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
U.S. Ecology Texas L.P.	P.O. Box 307 Robstown, TX	361-387-3518	TXD069452340	Glenda Felkner

**PETROLEUM CONTAMINATED SOIL AND OILY DEBRIS**

Month	Volume (cy)
October-04	0
November-04	0
December-04	40
January-05	0
February-05	0
<b>Total</b>	<b>40</b>

**RQ, HAZARDOUS WASTE SOLID, N.O.S., LEAD, 9 NA3077, PGIII (OILY SLUDGE AND SOIL)**

Month	Volume (cy)
February-05	15
<b>Total</b>	<b>15</b>

**Table 4**  
**Oil and Filter Disposal**

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
Texas Molecular Corpus Christi Services, LP	6901 Greenwood Dr Corpus Christi, TX	361-852-8284	TXR000001016	Robert Rodriguez

**RECYLCED OIL AND FILTERS**

Month	Volume (gal)
January-05	403
February-05	0
<b>Total</b>	<b>403</b>

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
Midstate Environmental Services, LLC	2203 Tower Road Robstown, TX	361-387-2171	TXR000051227	Lloyd Cooke

**RECYLCED OIL AND FILTERS**

Month	Volume (gal)
January-05	16,651
February-05	0
<b>Total</b>	<b>16,651</b>



